

FEDERAL ITEM IDENTIFICATION GUIDE

HINGES

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

| <u>MRC</u> | <u>Mode</u> | <u>Requirement</u> | <u>Example</u> |
|-------------|-------------|---|------------------------|
| <u>Code</u> | | | |
| CLQL | G | COLLOQUIAL NAME (common usage name by which an item is known) | CLQLGWOVEN WIRE CLOTH* |

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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SECTION I/III REQUIREMENTS INDEX

Index of Master Requirement Codes

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INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---------------------------|------------|----------------|
|---------------------------|------------|----------------|

| | | |
|---------------|-------|---|
| HASPB, HINGED | 06611 | A |
|---------------|-------|---|

An item consisting of a hinged strap with a slot in one end through which a loop or staple may pass. When a loop or staple is passed through the slot in the strap, a means of securing the two parts is afforded. It may include a staple.

Hinge

1. An item consisting of two leaves fastened together by means of a pin(s) and knuckles, forming a flexible joint. It is used to connect a movable object such as a door lid, or the like, and an adjoining member which may be movable or stationary and upon which the movable object turns or swings.

| | | |
|--------------------|-------|---|
| HINGE, ACCESS DOOR | 60594 | F |
|--------------------|-------|---|

A one piece rigid item designed to rotate an access door into an open or closed position. It is drilled at one end to accommodate a shaft which serves as a pivot or axis. The other end has a curved base conforming to the contour of the access door. The base has mounting holes or other mounting facilities. Excludes LEAF, BUTT HINGE.

| | | |
|-----------------|-------|---|
| HINGE (1), BUTT | 22894 | B |
|-----------------|-------|---|

A hinge usually with rectangularly shaped leaves. The dimension parallel to the hinge pin must be greater than the dimension transverse to the hinge pin. It may have a tension coil spring at its pivot(s) for closing action, and may have a third member between its pivots to permit the door, or the like, to swing in an arc from either side.

| | | |
|------------------|-------|---|
| HINGE (1), STRAP | 06915 | C |
|------------------|-------|---|

A hinge whose leaves are greater in dimension transversely to the axis of the hinge pin than they are parallel to the axis of the hinge pin, and whose sides may or may not be tapered along their greatest dimension, from the hinge pin toward a point at their extremity.

| | | |
|----------------|-------|---|
| HINGE (1), TEE | 06916 | D |
|----------------|-------|---|

A hinge whose general shape is like the letter T, with one leaf resembling that of a butt hinge, and the other that of a strap hinge. The hinge may also have both leaves resembling strap hinges or butt hinges of different widths.

| | | |
|------------------|-------|---|
| LEAF, BUTT HINGE | 07655 | E |
|------------------|-------|---|

An item consisting of one leaf only of a HINGE, BUTT, with or without a hinge pin.

| | | |
|-------------------|-------|---|
| LEAF, STRAP HINGE | 38515 | E |
|-------------------|-------|---|

An item consisting of one half only of HINGE, STRAP, with or without a pin.

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---------------------------|------------|----------------|
| STAPLE, HASP | 16888 | G |

An eye or U-shaped piece of material affixed to a plate used as a fastener, usually in conjunction with a hasp and pin or hasp and padlock.

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APPLICABILITY KEY INDEX

APPLICABILITY KEY INDEX

| | <u>A</u> | <u>B</u> | <u>C</u> | <u>D</u> | <u>E</u> | <u>F</u> | <u>G</u> |
|------|----------|----------|----------|----------|----------|----------|----------|
| NAME | X | X | X | X | X | X | X |
| ANNQ | X | X | X | X | X | X | X |
| ANNR | AR |
| STYL | X | X | X | X | X | X | |
| ABHP | AR | AR | AR | AR | AR | AR | |
| ABPX | AR | AR | AR | AR | AR | AR | |
| ABTB | AR | AR | AR | AR | AR | AR | |
| ABVV | AR | AR | AR | AR | AR | AR | |
| ADAT | AR | AR | AR | AR | AR | AR | |
| ADFY | AR | AR | AR | AR | AR | AR | |
| AJDW | AR | AR | AR | AR | AR | AR | |
| AKFB | AR | AR | AR | AR | AR | AR | |
| AKFC | AR | AR | AR | AR | AR | AR | |
| AKFD | AR | AR | AR | AR | AR | AR | |
| AKFF | AR | AR | AR | AR | AR | AR | |
| AKFH | AR | AR | AR | AR | AR | AR | |
| AKFJ | AR | AR | AR | AR | AR | AR | |
| AKFK | AR | AR | AR | AR | AR | AR | |
| AKFL | AR | AR | AR | AR | AR | AR | |
| AKFM | AR | AR | AR | AR | AR | AR | |
| AKFN | AR | AR | AR | AR | AR | AR | |
| AKFP | AR | AR | AR | AR | AR | AR | |
| AKFQ | AR | AR | AR | AR | AR | AR | |
| AKFR | AR | AR | AR | AR | AR | AR | |
| AKFS | AR | AR | AR | AR | AR | AR | |
| AKFT | AR | AR | AR | AR | AR | AR | |
| AKFV | AR | AR | AR | AR | AR | AR | |
| AKEY | AR | | | | | | X |
| ADEB | AR | | | | | | AR |
| CJQR | AR | | | | | | AR |
| CJQS | AR | | | | | | AR |
| CJQW | AR | | | | | | AR |
| CJQX | AR | | | | | | AR |
| CZJR | AR | | | | | | AR |
| CJQY | AR | | | | | | AR |
| CJQZ | AR | | | | | | AR |
| CJQT | AR | | | | | | AR |
| AKEV | AR | AR | AR | AR | AR | AR | |
| AKER | AR | AR | AR | AR | AR | AR | |
| AJNC | X | X | X | X | X | X | |
| AKES | | X | | | | | |
| AKET | | AR | | | | | |
| AKEW | | | | | X | X | |
| AKNB | X | X | X | X | X | X | |
| AKEX | X | X | X | X | X | X | |
| ABTJ | AR | AR | AR | AR | AR | AR | |
| AGLD | | X | X | X | X | | |
| FEAT | AR |

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| | | | | | | | |
|------|----|----|----|----|----|----|----|
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| ABFF | AR |
| ADJH | AR |
| AFJK | AR |
| PRMT | AR |
| PMWT | AR |
| PMLC | AR |
| SUPP | AR |
| AGAV | AR |
| CXCY | AR |

SECTION I

| APP Key | MRC | Mode Code | Requirements | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|--------------|-----------------------|-------------------|---------------------|-----|--------------|-----|---------------|-----|---------|-----|------------|-----|---------|-----|-----|-----|--------|-----|-------|-----|--------|-----|--------------|-----|-------|
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAME D ITEM NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Item Name Code from index appearing in the General Information Section. (e.g., NAMED06611*) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANNQ | H | | MATERIAL AND LOCATION | | | | | | | | | | | | | | | | | | | | | | | | |
| Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from <u>Appendix A, Table 1</u> , followed by the Reply Code from the table below. (e.g., ANNQHSC0078AAB*) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>For items with multiple materials and/or multiple locations, use AND/OR coding (\$\$/\$/ as applicable, listing the replies in Appendix A, Table 1 sequence. (e.g., ANNQHBR0000ALD\$\$HST0000ALD*; ANNQHBR0000ALD\$HST0000ALD*; ANNQHST0000ABQ\$\$HAL0000ABQ*; ANNQHAL0000ALE\$HCK0000ALE*)</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 33.33%;"><u>REPLY CODE</u></th><th style="text-align: left; width: 33.33%;"><u>REPLY (AJ91)</u></th></tr> </thead> <tbody> <tr> <td>ALD</td><td>BALL BEARING</td></tr> <tr> <td>ABQ</td><td>BODY (leaves)</td></tr> <tr> <td>ALE</td><td>BUSHING</td></tr> <tr> <td>ALF</td><td>BUTTON TIP</td></tr> <tr> <td>AAB</td><td>OVERALL</td></tr> <tr> <td>ALG</td><td>PIN</td></tr> <tr> <td>ALH</td><td>SPRING</td></tr> <tr> <td>DNK</td><td>STAKE</td></tr> <tr> <td>ALJ</td><td>STAPLE</td></tr> <tr> <td>ALK</td><td>STAPLE PLATE</td></tr> <tr> <td>AHB</td><td>STRAP</td></tr> </tbody> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AJ91)</u> | ALD | BALL BEARING | ABQ | BODY (leaves) | ALE | BUSHING | ALF | BUTTON TIP | AAB | OVERALL | ALG | PIN | ALH | SPRING | DNK | STAKE | ALJ | STAPLE | ALK | STAPLE PLATE | AHB | STRAP |
| <u>REPLY CODE</u> | <u>REPLY (AJ91)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALD | BALL BEARING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABQ | BODY (leaves) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALE | BUSHING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALF | BUTTON TIP | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAB | OVERALL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALG | PIN | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALH | SPRING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DNK | STAKE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALJ | STAPLE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALK | STAPLE PLATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AHB | STRAP | | | | | | | | | | | | | | | | | | | | | | | | | | |

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|----------------|
| | | ALL | WAFER (washer) |

ALL*

ANNR H SURFACE TREATMENT AND LOCATION

Definition: THE PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE ITEM, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2, followed by the applicable Reply Code from the table below. (e.g., ANNRHAN0002AAB*)

When optional surface treatments are cited, or when components have different or optional surface treatments, use AND/OR Coding (\$\$/) as applicable, listing the surface treatments for the entire item or for each component in Appendix A, Table 2 sequence. (e.g., ANNRHCD0000ALD\$\$HZN0000ALD; ANNRHCD0000ALD\$HZN0000ALD*; ANNRHGB0000ABQ\$\$HPNG000ABQ*)*

| <u>REPLY CODE</u> | <u>REPLY (AJ91)</u> |
|-------------------|---------------------|
| ALD | BALL BEARING |
| ABQ | BODY (leaves) |
| ALE | BUSHING |
| ALF | BUTTON TIP |
| DNJ | KNUCKLE |
| AAB | OVERALL |
| ALG | PIN |
| ALH | SPRING |
| ALJ | STAPLE |
| ALK | STAPLE PLATE |
| ALL | WAFER (washer) |

A, B, C, D, E, F

STYL L STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements |
|--|--|--------------|--------------|
| Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., STYLL15*) | | | |
| A*, G | | | |
| AKEY L STAPLE STYLE | | | |
| Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE STAPLE. | | | |
| Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group C. (e.g., AKEYL1*) | | | |
| A*, B*, C*, D*, E*, F* | | | |
| AKEV L PIN TIP STYLE | | | |
| Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE PIN TIP. | | | |
| Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., AKEVL1*) | | | |
| <i>If the top tip style is different from the bottom tip style, use AND/OR Coding (\$\$/ \$), entering top tip style first. (e.g., AKEVL1\$\$L2*; AKEVLL3\$L4)</i> | | | |
| A*, B*, C*, D*, E*, F* | | | |
| AKER D HINGE MOUNTING TYPE | | | |
| Definition: INDICATES THE TYPE OF HINGE WHICH PERMITS EITHER MORTISE OR SURFACE MOUNTING. | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKERDAB*; AKERDAD\$DAE*) | | | |
| The hinge leaves may be separated and reassembled in reverse order allowing the assembly to be used as either a full surface, half surface, or half mortise mounted hinge. | | | |
| <u>REPLY CODE</u> | <u>REPLY (AG29)</u> | | |
| AB | FULL MORTISE (both leaves swaged (offset)) | | |
| AC | FULL SURFACE (both leaves unswaged) | | |

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| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|---|
| | | AD | HALF MORTISE (door leaf swaged; jamb leaf unswaged) |
| | | AE | HALF SURFACE (door leaf unswaged; jamb leaf swaged) |

A, B, C, D, E, F

AJNC D REVERSIBLE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A REVERSIBLE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJNCDB*; AJNCDB\$DC*)

| <u>REPLY CODE</u> | <u>REPLY (AA49)</u> |
|-------------------|---------------------|
| B | INCLUDED |
| C | NOT INCLUDED |

B

AKES D PIN REMOVABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE PIN IS REMOVABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKESDB*; AKESDB\$DC*)

| <u>REPLY CODE</u> | <u>REPLY (AC29)</u> |
|-------------------|---------------------|
| C | NONREMOVABLE |
| B | REMovable |

NOTE FOR MRC AKET: IF REPLY CODE B IS ENTERED FOR MRC AKES, REPLY TO MRC AKET.

B* (See Note Above)

AKET D RISING PIN

Definition: AN INDICATION OF WHETHER OR NOT A RISING PIN IS INCLUDED.

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APPENDIX A

| APP Key | Mode MRC | Code | Requirements |
|---|-------------|-------------------|---------------------|
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKETDB*; AKETDB\$DC*) | | | |
| | | <u>REPLY CODE</u> | <u>REPLY (AA49)</u> |
| | | B | INCLUDED |
| | | C | NOT INCLUDED |
| E, F | | | |
| AKEW | D | HINGE PIN | |
| Definition: AN INDICATION OF WHETHER OR NOT A HINGE PIN IS INCLUDED. | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKEWDB*; AKEWDB\$DC*) | | | |
| | | <u>REPLY CODE</u> | <u>REPLY (AA49)</u> |
| | | B | INCLUDED |
| | | C | NOT INCLUDED |
| A, B, C, D, E, F | | | |
| AKNB | D | KNUCKLE TYPE | |
| Definition: INDICATES THE TYPE OF CYLINDRICAL PROJECTION THROUGH WHICH AN AXIS OR PIN PASSES. | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKNBDAB*; AKNBDAB\$DAC*) | | | |
| | | <u>REPLY CODE</u> | <u>REPLY (AG30)</u> |
| | | AB | BALL BEARING |
| | | AD | BUSHING |
| | | AC | FRICTION |
| | | AE | WAFER |
| A, B, C, D, E, F | | | |
| AKEX | A | KNUCKLE QUANTITY | |

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APPENDIX A

| APP Key | Mode MRC | Code | Requirements | | | | | | | | | | | | | | |
|--|------------------|------|------------------------|------------|--------------|----|------------------|----|------------|----|------------|----|-------------|---|-----------|----|--------------|
| Definition: THE NUMBER OF CYLINDRICAL PROJECTIONS THROUGH WHICH AN AXIS OR PIN PASSES. | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the quantity. (e.g., AKEXA5*) | | | | | | | | | | | | | | | | | |
| If different type knuckles, use OR coding (\$) entering the replies in the same sequence established for MRC AKNB. (e.g., AKEXA2\$A3*) | | | | | | | | | | | | | | | | | |
| A*, B*, C*, D*, E*, F* | | | | | | | | | | | | | | | | | |
| ABTJ | A | | MOUNTING HOLE QUANTITY | | | | | | | | | | | | | | |
| Definition: THE NUMBER OF MOUNTING HOLES PROVIDED. | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the quantity. (e.g., ABTJA36*) | | | | | | | | | | | | | | | | | |
| B, C, D, E | | | | | | | | | | | | | | | | | |
| AGLD | D | | PERFORMANCE TYPE | | | | | | | | | | | | | | |
| Definition: INDICATES THE PERFORMANCE CAPABILITY OF THE ITEM OR COMPONENT. | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGLDDAB*) | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">REPLY CODE</th> <th style="text-align: left;">REPLY (AE89)</th> </tr> </thead> <tbody> <tr> <td>AL</td> <td>EXTRA HEAVY DUTY</td> </tr> <tr> <td>AK</td> <td>HEAVY DUTY</td> </tr> <tr> <td>AB</td> <td>LIGHT DUTY</td> </tr> <tr> <td>AF</td> <td>MEDIUM DUTY</td> </tr> <tr> <td>N</td> <td>NOT RATED</td> </tr> <tr> <td>BA</td> <td>REGULAR DUTY</td> </tr> </tbody> </table> | | | | REPLY CODE | REPLY (AE89) | AL | EXTRA HEAVY DUTY | AK | HEAVY DUTY | AB | LIGHT DUTY | AF | MEDIUM DUTY | N | NOT RATED | BA | REGULAR DUTY |
| REPLY CODE | REPLY (AE89) | | | | | | | | | | | | | | | | |
| AL | EXTRA HEAVY DUTY | | | | | | | | | | | | | | | | |
| AK | HEAVY DUTY | | | | | | | | | | | | | | | | |
| AB | LIGHT DUTY | | | | | | | | | | | | | | | | |
| AF | MEDIUM DUTY | | | | | | | | | | | | | | | | |
| N | NOT RATED | | | | | | | | | | | | | | | | |
| BA | REGULAR DUTY | | | | | | | | | | | | | | | | |
| ALL* | | | | | | | | | | | | | | | | | |
| FEAT | G | | SPECIAL FEATURES | | | | | | | | | | | | | | |
| Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION. | | | | | | | | | | | | | | | | | |

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements | | | | | | | | |
|--|--|--------------|--------------|-----------------------|---------------------|---|--|---|--|---|---|
| Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*) | | | | | | | | | | | |
| ALL* | | | | | | | | | | | |
| TEST J TEST DATA DOCUMENT | | | | | | | | | | | |
| <p>Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.</p> | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number. | | | | | | | | | | | |
| (e.g., TESTJA12345-CWX654321*; TESTJA1234A-654321\$\$JB5556A-663654*; TESTJAA2345-654321\$JB55566-663654*) | | | | | | | | | | | |
| <table> <thead> <tr> <th style="text-align: center;"><u>REPLY CODE</u></th> <th style="text-align: center;"><u>REPLY (AC28)</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)</td> </tr> <tr> <td style="text-align: center;">B</td> <td>STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)</td> </tr> <tr> <td style="text-align: center;">C</td> <td>DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)</td> </tr> </tbody> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AC28)</u> | A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) | B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) | C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) |
| <u>REPLY CODE</u> | <u>REPLY (AC28)</u> | | | | | | | | | | |
| A | SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) | | | | | | | | | | |
| B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) | | | | | | | | | | |
| C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) | | | | | | | | | | |
| ALL* | | | | | | | | | | | |

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements |
|---|-----|--------------|--------------|
| <hr/> | | | |
| SPCL G SPECIAL TEST FEATURES | | | |
| Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT. | | | |
| Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*) | | | |
| ALL* | | | |
| ZZZK J SPECIFICATION/STANDARD DATA | | | |
| Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY. | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable. | | | |
| (e.g., ZZZKJT81337-30642B*; ZZZKJS81349-MIL-D-180 REV1/CANCELED/*; ZZZKJP80205-NAS1103*; ZZZKJS81349-MIL-C-1140C/CE/*; ZZZKJT81337-30642B\$\$JP80205-NAS1103*) | | | |

| <u>REPLY CODE</u> | <u>REPLY (AN62)</u> |
|-----------------------|-------------------------------------|
| S | GOVERNMENT SPECIFICATION |
| T | GOVERNMENT STANDARD |
| D | MANUFACTURERS SOURCE CONTROL |
| R | MANUFACTURERS SPECIFICATION |
| N | MANUFACTURERS SPECIFICATION CONTROL |
| M | MANUFACTURERS STANDARD |
| B | NATIONAL STD/SPEC |

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--|
| | | A | PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION |
| | | P | PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD |

NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

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| APP Key | MRC | Mode Code | Requirements |
|--|-----|--------------|--------------------------------|
| Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*) | | | |
| ALL* | | | |
| ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS | | | |
| Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS. | | | |
| Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*) | | | |
| ALL* | | | |
| CRTL | A | | CRITICALITY CODE JUSTIFICATION |
| Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM. | | | |
| Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*) | | | |
| Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical. | | | |
| NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY. | | | |
| ALL* (See Note Above) | | | |
| PRPY | A | | PROPRIETARY CHARACTERISTICS |
| Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA. | | | |

| APP Key | MRC | Mode Code | Requirements | | | | | | | | |
|---|---------------------|--|--------------|-----------------------|---------------------|--|--|---|--|--|--|
| Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$\$ASURF*) | | | | | | | | | | | |
| ALL* | | | | | | | | | | | |
| ELRN G EXTRA LONG REFERENCE NUMBER | | | | | | | | | | | |
| Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS. | | | | | | | | | | | |
| Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*). | | | | | | | | | | | |
| If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365). | | | | | | | | | | | |
| In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M. | | | | | | | | | | | |
| ALL* | | | | | | | | | | | |
| ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION | | | | | | | | | | | |
| Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS. | | | | | | | | | | | |
| Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*) | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><u>REPLY CODE</u></td> <td style="width: 25%;"><u>REPLY (AN58)</u></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>A</td> <td></td> <td>ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD</td> <td></td> </tr> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AN58)</u> | | | A | | ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD | |
| <u>REPLY CODE</u> | <u>REPLY (AN58)</u> | | | | | | | | | | |
| A | | ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD | | | | | | | | | |

SECTION III

FIIG A251
APPENDIX A

| APP Key | MRC | Mode Code | Requirements | | | | | | |
|--|---------------------|-----------|--------------|-------------------|---------------------|----|-------------------|----|--------------|
| <hr/> | | | | | | | | | |
| ALL | | | | | | | | | |
| ABFF D FURNISHED ITEMS | | | | | | | | | |
| Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE. | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABFFDGJ*) | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 33.33%;"><u>REPLY CODE</u></th> <th style="text-align: left; width: 33.33%;"><u>REPLY (AB28)</u></th> </tr> </thead> <tbody> <tr> <td>GG</td> <td>BOLT</td> </tr> <tr> <td>GJ</td> <td>SCREW</td> </tr> </tbody> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AB28)</u> | GG | BOLT | GJ | SCREW |
| <u>REPLY CODE</u> | <u>REPLY (AB28)</u> | | | | | | | | |
| GG | BOLT | | | | | | | | |
| GJ | SCREW | | | | | | | | |
| <hr/> | | | | | | | | | |
| ALL | | | | | | | | | |
| ADJH D MOUNTING METHOD | | | | | | | | | |
| Definition: THE MEANS OF ATTACHING THE ITEM. | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADJHDBU*) | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 33.33%;"><u>REPLY CODE</u></th> <th style="text-align: left; width: 33.33%;"><u>REPLY (AB89)</u></th> </tr> </thead> <tbody> <tr> <td>BU</td> <td>UNTHREADED HOLES</td> </tr> <tr> <td>AW</td> <td>WELDED</td> </tr> </tbody> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AB89)</u> | BU | UNTHREADED HOLES | AW | WELDED |
| <u>REPLY CODE</u> | <u>REPLY (AB89)</u> | | | | | | | | |
| BU | UNTHREADED HOLES | | | | | | | | |
| AW | WELDED | | | | | | | | |
| <hr/> | | | | | | | | | |
| ALL | | | | | | | | | |
| AFJK J CUBIC MEASURE | | | | | | | | | |
| Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS. | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB6.000*; AFJKJC23.0*) | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 33.33%;"><u>REPLY CODE</u></th> <th style="text-align: left; width: 33.33%;"><u>REPLY (AD42)</u></th> </tr> </thead> <tbody> <tr> <td>C</td> <td>CUBIC CENTIMETERS</td> </tr> <tr> <td>B</td> <td>CUBIC INCHES</td> </tr> </tbody> </table> | | | | <u>REPLY CODE</u> | <u>REPLY (AD42)</u> | C | CUBIC CENTIMETERS | B | CUBIC INCHES |
| <u>REPLY CODE</u> | <u>REPLY (AD42)</u> | | | | | | | | |
| C | CUBIC CENTIMETERS | | | | | | | | |
| B | CUBIC INCHES | | | | | | | | |

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| APP Key | MRC | Mode Code | Requirements | | | | | | | | | | | | | | | | | | |
|--|--------------|-----------|------------------------------|------------|--------------|--------|------|--------|---------|--------|--------|--------|-----------|--------|----------|--------|---------|--------|-----------|--------|--------|
| <hr/> | | | | | | | | | | | | | | | | | | | | | |
| ALL | | | | | | | | | | | | | | | | | | | | | |
| PRMT D PRECIOUS MATERIAL | | | | | | | | | | | | | | | | | | | | | |
| Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM. | | | | | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000\$\$DAGA000*; PRMTDAGA000\$DAUA000*) | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">REPLY CODE</th> <th style="text-align: left;">REPLY (MA01)</th> </tr> </thead> <tbody> <tr><td>AUA000</td><td>GOLD</td></tr> <tr><td>IRA000</td><td>IRIDIUM</td></tr> <tr><td>AZA000</td><td>OSMIUM</td></tr> <tr><td>PDA000</td><td>PALLADIUM</td></tr> <tr><td>PTA000</td><td>PLATINUM</td></tr> <tr><td>RHA000</td><td>RHODIUM</td></tr> <tr><td>RTA000</td><td>RUTHENIUM</td></tr> <tr><td>AGA000</td><td>SILVER</td></tr> </tbody> </table> | | | | REPLY CODE | REPLY (MA01) | AUA000 | GOLD | IRA000 | IRIDIUM | AZA000 | OSMIUM | PDA000 | PALLADIUM | PTA000 | PLATINUM | RHA000 | RHODIUM | RTA000 | RUTHENIUM | AGA000 | SILVER |
| REPLY CODE | REPLY (MA01) | | | | | | | | | | | | | | | | | | | | |
| AUA000 | GOLD | | | | | | | | | | | | | | | | | | | | |
| IRA000 | IRIDIUM | | | | | | | | | | | | | | | | | | | | |
| AZA000 | OSMIUM | | | | | | | | | | | | | | | | | | | | |
| PDA000 | PALLADIUM | | | | | | | | | | | | | | | | | | | | |
| PTA000 | PLATINUM | | | | | | | | | | | | | | | | | | | | |
| RHA000 | RHODIUM | | | | | | | | | | | | | | | | | | | | |
| RTA000 | RUTHENIUM | | | | | | | | | | | | | | | | | | | | |
| AGA000 | SILVER | | | | | | | | | | | | | | | | | | | | |
| ALL | | | | | | | | | | | | | | | | | | | | | |
| PMWT | J | | PRECIOUS MATERIAL AND WEIGHT | | | | | | | | | | | | | | | | | | |
| Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE. | | | | | | | | | | | | | | | | | | | | | |
| Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500\$\$JAGA000R0.780*; PMWTJAUA000F0.500\$JPDA000F0.500*) | | | | | | | | | | | | | | | | | | | | | |
| <u>Table 1</u> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">REPLY CODE</th> <th style="text-align: left;">REPLY (MA01)</th> </tr> </thead> <tbody> <tr><td>AUA000</td><td>GOLD</td></tr> <tr><td>IRA000</td><td>IRIDIUM</td></tr> <tr><td>AZA000</td><td>OSMIUM</td></tr> <tr><td>PDA000</td><td>PALLADIUM</td></tr> <tr><td>PTA000</td><td>PLATINUM</td></tr> <tr><td>RHA000</td><td>RHODIUM</td></tr> <tr><td>RTA000</td><td>RUTHENIUM</td></tr> <tr><td>AGA000</td><td>SILVER</td></tr> </tbody> </table> | | | | REPLY CODE | REPLY (MA01) | AUA000 | GOLD | IRA000 | IRIDIUM | AZA000 | OSMIUM | PDA000 | PALLADIUM | PTA000 | PLATINUM | RHA000 | RHODIUM | RTA000 | RUTHENIUM | AGA000 | SILVER |
| REPLY CODE | REPLY (MA01) | | | | | | | | | | | | | | | | | | | | |
| AUA000 | GOLD | | | | | | | | | | | | | | | | | | | | |
| IRA000 | IRIDIUM | | | | | | | | | | | | | | | | | | | | |
| AZA000 | OSMIUM | | | | | | | | | | | | | | | | | | | | |
| PDA000 | PALLADIUM | | | | | | | | | | | | | | | | | | | | |
| PTA000 | PLATINUM | | | | | | | | | | | | | | | | | | | | |
| RHA000 | RHODIUM | | | | | | | | | | | | | | | | | | | | |
| RTA000 | RUTHENIUM | | | | | | | | | | | | | | | | | | | | |
| AGA000 | SILVER | | | | | | | | | | | | | | | | | | | | |
| <u>Table 2</u> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">REPLY CODE</th> <th style="text-align: left;">REPLY (AG14)</th> </tr> </thead> </table> | | | | REPLY CODE | REPLY (AG14) | | | | | | | | | | | | | | | | |
| REPLY CODE | REPLY (AG14) | | | | | | | | | | | | | | | | | | | | |

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APPENDIX A

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|-----------|--------------|
| | E | | GRAINS, TROY |
| | R | | GRAMS |
| | F | | OUNCES, TROY |

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAU000TERMINALS*;
PMLCJAU000TERMINALS\$\$JAGA000INTERNAL SURFACES*;
PMLCJAGA000TERMINALS\$JAU000INTERNAL SURFACES*)

| <u>REPLY CODE</u> | <u>REPLY (MA01)</u> |
|-------------------|---------------------|
| AUA000 | GOLD |
| IRA000 | IRIDIUM |
| AZA000 | OSMIUM |
| PDA000 | PALLADIUM |
| PTA000 | PLATINUM |
| RHA000 | RHODIUM |
| RTA000 | RUTHENIUM |
| AGA000 | SILVER |

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the supplementary feature in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

AGAV G END ITEM IDENTIFICATION

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| APP Key | MRC | Mode Code | Requirements |
|---|-----|-----------|--|
| Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART. | | | |
| Reply Instructions: Enter the applicable reply in clear text. (e.g., AGAVG3930-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*) | | | |
| ALL* | | | |
| CXCY | G | | PART NAME ASSIGNED BY CONTROLLING AGENCY |
| Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM. | | | |
| Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*) | | | |

Reply Tables

| | |
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| Table 2 - SURFACE TREATMENTS..... | 32 |
| Table 3 - NONDEFINITIVE SPEC/STD DATA..... | 36 |

Table 1 - MATERIALS MATERIALS

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-----------------------|--|
| AL0000 | ALUMINUM ALLOY |
| AL0002 | ALUMINUM ALLOY, AMS 4114 |
| AL0017 | ALUMINUM ALLOY, AMS 4156 |
| AL0476 | ALUMINUM ALLOY, ASTM B209-67 |
| AL2239 | ALUMINUM ALLOY, ASTM B221, ALLOY 7075, T6 |
| AL2278 | ALUMINUM ALLOY, C-07-114, ALLOY 7075, LOCKHEED AIRCRAFT CORP |
| AL2274 | ALUMINUM ALLOY, LAC C04-1076, ALLOY 7075, LOCKHEED AIRCRAFT CORP |
| AL2273 | ALUMINUM ALLOY, LAC C04-1076, LOCKHEED AIRCRAFT CORP |
| AL2281 | ALUMINUM ALLOY, LS9807, LOCKHEED AIRCRAFT CORP |
| AL2282 | ALUMINUM ALLOY, LS9881, LOCKHEED AIRCRAFT CORP |
| AL2283 | ALUMINUM ALLOY, LS9882, LOCKHEED AIRCRAFT CORP |
| AL2275 | ALUMINUM ALLOY, LS30543-1, LOCKHEED AIRCRAFT CORP |
| AL2276 | ALUMINUM ALLOY, MIL-A-21180, ALLOY 357 |
| AL1660 | ALUMINUM ALLOY, MIL-C-11866 |
| AL0191 | ALUMINUM ALLOY, QQ-A-200/2, ALLOY 2014, T4 |
| AL0196 | ALUMINUM ALLOY, QQ-A-200/2, ALLOY 2014, T62 |
| AL0198 | ALUMINUM ALLOY, QQ-A-200/2, ALLOY 2014, T6511 |
| AL0115 | ALUMINUM ALLOY, QQ-A-200/3 |
| AL0031 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024 |
| AL0202 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T4 |
| AL0203 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T42 |
| AL0200 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T3510 |
| AL0201 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T3511 |
| AL0205 | ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T8511 |
| AL0868 | ALUMINUM ALLOY, QQ-A-200/3, T4 |
| AL0120 | ALUMINUM ALLOY, QQ-A-200/8 |
| AL0036 | ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061 |
| AL0489 | ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061, T4 |
| AL0490 | ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061, T6 |
| AL0495 | ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061, T6511 |
| AL0221 | ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6062, T6 |
| AL0123 | ALUMINUM ALLOY, QQ-A-200/11 |
| AL0040 | ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075 |
| AL0242 | ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075, T6 |
| AL0243 | ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075, T6510 |
| AL0244 | ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075, T6511 |
| AL0241 | ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075, 0 |
| AL2626 | ALUMINUM ALLOY, QQ-A-200/11, T73511 |
| AL0125 | ALUMINUM ALLOY, QQ-A-200/13 |
| AL0251 | ALUMINUM ALLOY, QQ-A-200/13, ALLOY 7178, T6 |
| AL0253 | ALUMINUM ALLOY, QQ-A-200/13, ALLOY 7178, T6511 |
| AL0254 | ALUMINUM ALLOY, QQ-A-225/1, ALLOY 1100, 0 |
| AL0130 | ALUMINUM ALLOY, QQ-A-225/6 |
| AL0047 | ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024 |
| AL0280 | ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T4 |
| AL0279 | ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T351 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-----------------------|--|
| AL0282 | ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T851 |
| AL0131 | ALUMINUM ALLOY, QQ-A-225/7 |
| AL0048 | ALUMINUM ALLOY, QQ-A-225/7, ALLOY 5052 |
| AL0285 | ALUMINUM ALLOY, QQ-A-225/7, ALLOY 5052, H34 |
| AL0283 | ALUMINUM ALLOY, QQ-A-225/7, ALLOY 5052, 0 |
| AL0290 | ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T4 |
| AL0133 | ALUMINUM ALLOY, QQ-A-225/9 |
| AL0136 | ALUMINUM ALLOY, QQ-A-250/4 |
| AL0053 | ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024 |
| AL0334 | ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T4 |
| AL0341 | ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T851 |
| AL0590 | ALUMINUM ALLOY, QQ-A-250/5 |
| AL0347 | ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024, T4 |
| AL0348 | ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024, T42 |
| AL0350 | ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024, T81 |
| AL0137 | ALUMINUM ALLOY, QQ-A-250/6 |
| AL0054 | ALUMINUM ALLOY, QQ-A-250/6, ALLOY 5083 |
| AL0055 | ALUMINUM ALLOY, QQ-A-250/7, ALLOY 5086 |
| AL0139 | ALUMINUM ALLOY, QQ-A-250/8 |
| AL0056 | ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052 |
| AL0367 | ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052, H24 |
| AL0370 | ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052, H32 |
| AL0371 | ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052, H34 |
| AL0059 | ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061 |
| AL0143 | ALUMINUM ALLOY, QQ-A-250/12 |
| AL0060 | ALUMINUM ALLOY, QQ-A-250/12, ALLOY 7075 |
| AL0394 | ALUMINUM ALLOY, QQ-A-250/12, ALLOY 7075, T651 |
| AL0398 | ALUMINUM ALLOY, QQ-A-250/13, ALLOY ALCLAD 7075, T6 |
| AL0402 | ALUMINUM ALLOY, QQ-A-250/14, ALLOY 7178, T6 |
| AL0572 | ALUMINUM ALLOY, QQ-A-267, ALLOY 2024, T4-CANCELED |
| AL0544 | ALUMINUM ALLOY, QQ-A-268, COND T4-CANCELED |
| AL0585 | ALUMINUM ALLOY, QQ-A-270-CANCELED |
| AL0638 | ALUMINUM ALLOY, QQ-A-277-CANCELED |
| AL1659 | ALUMINUM ALLOY, QQ-A-315, TEMPER O-CANCELED |
| AL0531 | ALUMINUM ALLOY, QQ-A-318-CANCELED |
| AL0167 | ALUMINUM ALLOY, QQ-A-318, COND 1/2 HARD-CANCELED |
| AL0801 | ALUMINUM ALLOY, QQ-A-318, COND 1/4 HARD-CANCELED |
| AL0532 | ALUMINUM ALLOY, QQ-A-318, H34-CANCELED |
| AL0155 | ALUMINUM ALLOY, QQ-A-325-CANCELED |
| AL0451 | ALUMINUM ALLOY, QQ-A-325, COMP 6061, GRADE T6-CANCELED |
| AL0678 | ALUMINUM ALLOY, QQ-A-326, ALLOY 6061 |
| AL0548 | ALUMINUM ALLOY, QQ-A-327, COND W-CANCELED |
| AL0691 | ALUMINUM ALLOY, QQ-A-351, ALLOY 2017, T4-CANCELED |
| AL0552 | ALUMINUM ALLOY, QQ-A-354, COND T-CANCELED |
| AL0435 | ALUMINUM ALLOY, QQ-A-367, COMP 7075, T6 |
| AL0608 | ALUMINUM ALLOY, QQ-A-596, CLASS 8 |
| AL0568 | ALUMINUM ALLOY, QQ-A-601, ALLOY 356, TEMPER T6 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-----------------------|--|
| AL2759 | ALUMINUM ALLOY, QQ-A-601, ALLOY 535, TEMP F |
| AL2279 | ALUMINUM ALLOY, QQ-A-601, ALMAG 35 |
| AL0157 | ALUMINUM ALLOY, QQ-A-601, CLASS 3M, T6 |
| AL0652 | ALUMINUM ALLOY, QQ-A-601, COMP 3 |
| AL0650 | ALUMINUM ALLOY, WW-T-700/5, TYPE 1 |
| AL2280 | ALUMINUM ALLOY, 1MA200B04-10005, MCDONNELL AIRCRAFT CO |
| AL2277 | ALUMINUM ALLOY, 1MA10236B04, MCDONNELL AIRCRAFT CO |
| AL0178 | ALUMINUM ALLOY, 3003, H14 |
| AL0153 | ALUMINUM ALLOY, 5052 |
| AL0108 | ALUMINUM ALLOY, 5086 |
| AL0109 | ALUMINUM ALLOY, 6061 |
| AL0112 | ALUMINUM ALLOY, 7075 |
| AL0181 | ALUMINUM ALLOY, 7075, T6 |
| AL1585 | ALUMINUM ALLOY, 7075, T651 |
| ALC000 | ALUMINUM |
| ALA000 | ALUMINUM BRONZE |
| ALT000 | ALUMINUM CLAD, ALUMINUM ALLOY |
| BR0000 | BRASS |
| BR0180 | BRASS, ASTM B121-66 |
| BR0193 | BRASS, QQ-B-613, ALLOY 268 |
| BR0156 | BRASS, QQ-B-613, COMP 1, 1/2 HARD |
| BR0011 | BRASS, QQ-B-613, COMP 11 |
| BR0013 | BRASS, QQ-B-621, CLASS A-CANCELLED |
| BR0188 | BRASS, QQ-B-626, ALLOY 360 |
| BR0155 | BRASS, QQ-B-626, ALLOY 360, 1/2H |
| BR0189 | BRASS, QQ-B-626, ALLOY 377 |
| BR0126 | BRASS, QQ-B-626, ALLOY 377, 1/2H |
| BR0038 | BRASS, QQ-B-626, COMP 11 |
| BR0041 | BRASS, QQ-B-626, COMP 22, 1/2H |
| BR0190 | BRASS, QQ-W-321, COMP 1 |
| BR0033 | BRASS, SAE CA360 |
| BR0208 | BRASS, SAE CA377 |
| BR0340 | BRASS, SAE 72 |
| BR0500 | BRASS, SAE 88 |
| BRT000 | BRASS, WROUGHT |
| BM0088 | BRONZE MANGANESE, QQ-B-726-CANCELED |
| BM0094 | BRONZE MANGANESE, QQ-B-728, CLASS A, COMP 1/2 HARD |
| BM0097 | BRONZE MANGANESE, QQ-B-728, CLASS B, COMP 1/2 HARD |
| BN0000 | BRONZE |
| BN0152 | BRONZE, QQ-B-721-CANCELED |
| BN0218 | BRONZE, QQ-B-728, CLASS A |
| BN0008 | BRONZE, QQ-B-728, COMP A |
| BNL000 | BRONZE, WROUGHT |
| CK0000 | COPPER ALLOY |
| CK1192 | COPPER ALLOY, QQ-W-321, ALLOY 260, 1/2 HARD |
| CK0018 | COPPER ALLOY, QQ-W-321, ALLOY 260, 270 OR 274 |
| CK0363 | COPPER ALLOY, SAE CA360 |

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| <u>REPLY</u> | <u>REPLY (AD09)</u> |
|--------------|---|
| <u>CODE</u> | |
| CK0365 | COPPER ALLOY, SAE CA377 |
| BN0087 | DULL BRONZE, FF-H-116, US10 |
| FE0000 | IRON |
| FE0021 | IRON, AMS 7310 |
| FE0022 | IRON, AMS 7311 |
| FE0023 | IRON, AMS 7312 |
| FEA000 | IRON, CAST |
| FE0013 | IRON, CAST, ASTM A126-61T, CLASS A |
| FE0014 | IRON, CAST, ASTM A126-61T, CLASS B |
| FE0015 | IRON, CAST, ASTM A216-56T, GRADE WCB |
| FE0016 | IRON, CAST, ASTM A217-55, GRADE WC6 |
| FE0001 | IRON, CAST, QQ-I-652, CLASS 20 |
| FE0002 | IRON, CAST, QQ-I-652, CLASS 25 |
| FE0003 | IRON, CAST, QQ-I-652, CLASS 30 |
| FE0004 | IRON, CAST, QQ-I-652, CLASS 35 |
| FEC000 | IRON, MALLEABLE |
| FE0011 | IRON, MALLEABLE, ASTM A197 |
| FE0042 | IRON, MALLEABLE, QQ-I-666, GRADE 2 |
| FE0377 | IRON, MALLEABLE, SAE J158, GRADE M3210 |
| FE0378 | IRON, MALLEABLE, SAE J158, GRADE M4504 |
| FE0132 | IRON, QQ-I-666, GRADE 1 |
| FEB000 | IRON, WROUGHT |
| MG0000 | MAGNESIUM |
| MGA000 | MAGNESIUM ALLOY |
| MG0021 | MAGNESIUM, QQ-M-31, AZ31B |
| MNA000 | MANGANESE BRONZE |
| MN0001 | MANGANESE BRONZE, QQ-M-80, CLASS B-CANCELED |
| NC0000 | NICKEL COPPER ALLOY |
| PN0000 | PAINTED |
| PCCD00 | PLASTIC, POLYSULFONE |
| PL0000 | POLYAMIDE NYLON |
| ST0000 | STEEL |
| ST0004 | STEEL, AISI TS8115 |
| ST2550 | STEEL, AMS 5044 |
| STC676 | STEEL, AMS 5342 |
| STA629 | STEEL, AMS 5344 |
| ST3158 | STEEL, AMS 5355 |
| ST2548 | STEEL, AMS 5504, TYPE 410 |
| ST2547 | STEEL, AMS 5510 |
| ST2873 | STEEL, AMS 5512 |
| ST2396 | STEEL, AMS 5612 |
| ST8936 | STEEL, AMS 5629 |
| ST1917 | STEEL, AMS 5643 |
| ST2368 | STEEL, AMS 6300 |
| ST7967 | STEEL, ASTM A108, GRADE 1018 |
| ST2828 | STEEL, ASTM A109 |
| STA196 | STEEL, ASTM A245-58 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-----------------------|---|
| STA197 | STEEL, ASTM A245-64, GRADE A |
| STD001 | STEEL, ASTM A254 |
| STD002 | STEEL, ASTM A264, GRADE 1 |
| STG310 | STEEL, ASTM A276, TYPE 410, COND A |
| STF929 | STEEL, ASTM A568, COMP 1008 |
| STF930 | STEEL, ASTM A568, COMP 1009 |
| STF932 | STEEL, ASTM A568, COMP 1018 |
| STF933 | STEEL, ASTM A568, COMP 1020 |
| STB744 | STEEL, ASTM A569 |
| STG633 | STEEL, ASTM A580, COMP 302 |
| STG860 | STEEL, ASTM A580, COMP 304 |
| STG861 | STEEL, ASTM A580, COMP 316 |
| STF449 | STEEL, ASTM A582 |
| STF049 | STEEL, ASTM A582, TYPE 303 |
| STC877 | STEEL, BMS7-12A, BOEING CO, THE WICHITA DIV |
| STB000 | STEEL, CORROSION RESISTING |
| SC0003 | STEEL, CORROSION RESISTING, AISI 302 |
| SC0199 | STEEL, CORROSION RESISTING, QQ-S-763, CLASS 304, COND A |
| ST2004 | STEEL, FED STD 66, AISI OR SAE 1008 THRU 1022 |
| ST1291 | STEEL, FED STD 66, AISI/SAE 1010 |
| ST1294 | STEEL, FED STD 66, AISI/SAE 1018 |
| ST1930 | STEEL, FED STD 66, AISI/SAE 1020 |
| ST2020 | STEEL, FED STD 66, AISI/SAE 1023 |
| ST2066 | STEEL, FED STD 66, AISI/SAE 4118H |
| ST1356 | STEEL, FED STD 66, AISI/SAE 4340 |
| ST1613 | STEEL, FED STD 66, AISI 301/SAE 30301 |
| ST1614 | STEEL, FED STD 66, AISI 302/SAE 30302 |
| ST2011 | STEEL, FED STD 66, AISI 302, 303 OR 305/SAE 30302, 30303 OR 30305 |
| ST1615 | STEEL, FED STD 66, AISI 303/SAE 30303 |
| ST1623 | STEEL, FED STD 66, AISI 321/SAE 30321 |
| ST1633 | STEEL, FED STD 66, AISI 430/SAE 51430 |
| ST1817 | STEEL, FED STD 66, COMP 302 |
| ST2012 | STEEL, FED STD 66, COMP 302, 303, OR 304 |
| ST2526 | STEEL, FED STD 66, COMP 304 |
| ST2516 | STEEL, FED STD 66, COMP 305 |
| ST3286 | STEEL, FED STD 66, COMP 316 |
| ST3291 | STEEL, FED STD 66, COMP 410 |
| ST2013 | STEEL, FED STD 66, COMP 410, 416 OR 430 |
| ST3295 | STEEL, FED STD 66, COMP 420 |
| ST6054 | STEEL, FED STD 66, COMP 1008 |
| ST6056 | STEEL, FED STD 66, COMP 1009 |
| ST3548 | STEEL, FED STD 66, COMP 1010 |
| ST6064 | STEEL, FED STD 66, COMP 1015 |
| ST6071 | STEEL, FED STD 66, COMP 1018 |
| ST6073 | STEEL, FED STD 66, COMP 1020 |
| ST2201 | STEEL, FED STD 66, GRADE M1020 |
| STA194 | STEEL, FF-H-116 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|--|
| ST0595 | STEEL, HIGH CARBON |
| STC874 | STEEL, HY-285-1-1, HYPERION INDUSTRIES CORP |
| STC875 | STEEL, HY-285-1-2, HYPERION INDUSTRIES CORP |
| STC876 | STEEL, LS7065, LOCKHEED AIRCRAFT CORP |
| ST0594 | STEEL, MEDIUM CARBON |
| STA201 | STEEL, MIL-C-10005 |
| ST3920 | STEEL, MIL-S-4043 |
| ST1894 | STEEL, MIL-S-5000 |
| ST2839 | STEEL, MIL-S-5000, COMP 4340 |
| ST2520 | STEEL, MIL-S-5059 |
| ST1825 | STEEL, MIL-S-5059, TYPE 301, 1/4 HARD |
| ST2288 | STEEL, MIL-S-5059, TYPE 302 |
| ST1826 | STEEL, MIL-S-5059, TYPE 302, 1/4 HARD |
| ST2829 | STEEL, MIL-S-5059, TYPE 304 |
| ST1827 | STEEL, MIL-S-5059, TYPE 304, 1/4 HARD |
| ST1804 | STEEL, MIL-S-5626 |
| ST2014 | STEEL, MIL-S-6721 |
| ST1840 | STEEL, MIL-S-6758 |
| ST2687 | STEEL, MIL-S-6758, COMP 4130 |
| ST7033 | STEEL, MIL-S-6758, COND F4 |
| ST2429 | STEEL, MIL-S-6758, PHYSICAL COND F, SURFACE COND 4 |
| ST1898 | STEEL, MIL-S-6758, SAE 4130 |
| ST1640 | STEEL, MIL-S-7720, COMP 302 |
| ST8393 | STEEL, MIL-S-8844 |
| ST2005 | STEEL, MIL-S-13048-CANCELED |
| ST2838 | STEEL, MIL-S-18728, COND N |
| ST2830 | STEEL, MIL-S-18729 |
| ST2507 | STEEL, MIL-S-18729, COMP 4130, COND N |
| ST3722 | STEEL, MIL-S-18729, COND N |
| ST2609 | STEEL, MIL-S-25043 |
| STA844 | STEEL, MIL-S-25043, COMP 17-7PH |
| ST0214 | STEEL, QQ-S-624, COMP 1340-CANCELED |
| ST1458 | STEEL, QQ-S-624, COMP 4130-CANCELED |
| ST1515 | STEEL, QQ-S-624, COMP 8630-CANCELED |
| ST3070 | STEEL, QQ-S-630, GRADE C1015-CANCELED |
| ST3074 | STEEL, QQ-S-630, GRADE C1025-CANCELED |
| ST2568 | STEEL, QQ-S-633, FS1018-CANCELED |
| ST1548 | STEEL, QQ-S-634, COMP 1018-CANCELED |
| ST1697 | STEEL, QQ-S-634, COMP 1020-CANCELED |
| ST1698 | STEEL, QQ-S-634, COMP 1022-CANCELED |
| ST1550 | STEEL, QQ-S-634, COMP 1035-CANCELED |
| ST1551 | STEEL, QQ-S-634, COMP 1040-CANCELED |
| ST0942 | STEEL, QQ-S-635, COMP 1020 |
| ST0975 | STEEL, QQ-S-636-CANCELED |
| ST2638 | STEEL, QQ-S-636, COND 2-CANCELED |
| ST2765 | STEEL, QQ-S-681 |
| ST3740 | STEEL, QQ-S-681, CLASS 4C1 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-----------------------|---|
| ST2135 | STEEL, QQ-S-681, CLASS 150-125 |
| ST2646 | STEEL, QQ-S-685, COMP 4130, COND A-CANCELED |
| ST0977 | STEEL, QQ-S-698 |
| ST0946 | STEEL, QQ-S-698, COMP 1008 |
| ST2006 | STEEL, QQ-S-698, COMP 1008 THRU 1020 |
| ST0947 | STEEL, QQ-S-698, COMP 1009 |
| ST0950 | STEEL, QQ-S-698, COMP 1020 |
| STA207 | STEEL, QQ-S-698, 1/2 H, FINISH 2 |
| ST2032 | STEEL, QQ-S-763 |
| ST1646 | STEEL, QQ-S-763, CLASS 302 |
| ST2648 | STEEL, QQ-S-763, CLASS 302, COND A |
| ST2649 | STEEL, QQ-S-763, CLASS 302, COND B |
| ST1647 | STEEL, QQ-S-763, CLASS 303 |
| ST1778 | STEEL, QQ-S-763, CLASS 303, COND A |
| ST1648 | STEEL, QQ-S-763, CLASS 303SE |
| ST1649 | STEEL, QQ-S-763, CLASS 304 |
| ST2701 | STEEL, QQ-S-763, CLASS 416, COND A |
| ST1663 | STEEL, QQ-S-763, CLASS 416SE |
| ST1767 | STEEL, QQ-S-764, TYPE 303-CANCELED |
| ST1859 | STEEL, QQ-S-764, TYPE 303, COND A-CANCELED |
| ST2666 | STEEL, QQ-S-766, CLASS 4, COND A |
| ST2667 | STEEL, QQ-S-766, CLASS 4, COND E |
| ST1748 | STEEL, QQ-S-766, CLASS 301 |
| ST3250 | STEEL, QQ-S-766, CLASS 301, COND A |
| ST7666 | STEEL, QQ-S-766, CLASS 301, TEMP 1/4 HARD |
| ST1750 | STEEL, QQ-S-766, CLASS 302 |
| ST2673 | STEEL, QQ-S-766, CLASS 302, COND A |
| ST8518 | STEEL, QQ-S-766, CLASS 302, TEMP 1/4 HARD |
| ST1752 | STEEL, QQ-S-766, CLASS 304 |
| ST2626 | STEEL, QQ-S-766, CLASS 304, COND A |
| STA204 | STEEL, QQ-S-766, CLASS 304, COND A, FINISH 2B |
| STA305 | STEEL, QQ-S-766, CLASS 316L, COND A |
| ST1763 | STEEL, QQ-S-766, CLASS 410 |
| ST2007 | STEEL, QQ-W-405, COMP 1013 THRU 1022-CANCELED |
| ST2008 | STEEL, QQ-W-405, COMP 1024 THRU 1041-CANCELED |
| ST3106 | STEEL, QQ-W-409-CANCELED |
| ST8425 | STEEL, QQ-W-409, GRADE 2-CANCELED |
| ST3235 | STEEL, QQ-W-423 |
| ST3533 | STEEL, QQ-W-423, COMP FS316, COND B |
| ST2628 | STEEL, QQ-W-423, COMP 302, COND B |
| ST3245 | STEEL, QQ-W-423, COMP 302, FORM 1, COND B |
| ST2015 | STEEL, QQ-W-423, COMP 302, 304, OR 316 |
| ST3227 | STEEL, QQ-W-423, COND B |
| ST9924 | STEEL, QQ-W-423, FORM 1 |
| ST3536 | STEEL, QQ-W-423, FS302, 304 OR 316, COND B |
| ST1670 | STEEL, QQ-W-423, 302 |
| ST1671 | STEEL, QQ-W-423, 304 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|---|
| ST2009 | STEEL, QQ-W-428, TYPE 1, 2, OR 3, COND A OR B |
| ST2339 | STEEL, QQ-W-461, COMP 1010 |
| ST2340 | STEEL, QQ-W-461, COMP 1015 |
| STF400 | STEEL, QQ-W-461, COMP 1018 |
| ST2341 | STEEL, QQ-W-461, COMP 1020 |
| ST3183 | STEEL, QQ-W-470 |
| ST0356 | STEEL, SAE 1008 |
| ST6559 | STEEL, SAE 1010 |
| ST6561 | STEEL, SAE 1015 |
| ST6562 | STEEL, SAE 1016 |
| ST0363 | STEEL, SAE 1020 |
| ST5099 | STEEL, SAE 30304 |
| ST6847 | STEEL, SAE 30305 |
| STAA00 | STEEL, WROUGHT |
| ST8681 | STEEL, 1E166, CATERPILLAR TRACTOR CO |
| STG167 | STEEL, 1E910, CATERPILLAR TRACTOR CO |
| TT0000 | TITANIUM ALLOY |
| WE0007 | WIRE, STEEL, MUSIC, QQ-W-470 |
| ZN0000 | ZINC |
| ZN0048 | ZINC, QQ-Z-325, TYPE 2 |

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|--|
| AL0000 | ALUMINUM ALLOY |
| AL0334 | ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T4 |
| AL0474 | ALUMINUM, SATIN, ANODIZED, FF-H-116, US28 |
| AL0475 | ALUMINUM, SATIN, LACQUERED, FF-H-116, US27 |
| AN0000 | ANODIZED |
| ANA000 | ANODIZED BLACK |
| AN0225 | ANODIZED, DPS-11.05, MCDONNELL DOUGLAS CORP |
| AN0198 | ANODIZED, GSS 9.010, GRUMMAN AEROSPACE CORP |
| AN0098 | ANODIZED, GSS 9.030, GRUMMAN AEROSPACE CORP |
| AN0224 | ANODIZED, GSS9030, GRUMMAN AEROSPACE CORP |
| AN0277 | ANODIZED, HS334, TYPE 2, UNITED AIRCRAFT CORP |
| AN0002 | ANODIZED, MIL-A-8625 |
| AN0003 | ANODIZED, MIL-A-8625, TYPE 1 |
| AN0005 | ANODIZED, MIL-A-8625, TYPE 1, CLASS 1 |
| AN0004 | ANODIZED, MIL-A-8625, TYPE 2 |
| AN0007 | ANODIZED, MIL-A-8625, TYPE 2, CLASS 1 |
| AN0008 | ANODIZED, MIL-A-8625, TYPE 2, CLASS 2 |
| AN0117 | ANODIZED, PER LAC 0494, TYPE 2, LOCKHEED AIRCRAFT CORP |
| AN0226 | ANODIZED, PS362, THE BOEING CO |
| AN0220 | ANODIZED, PS13201, CLASS 1, TYPE 2, MCDONNELL DOUGLAS CORP |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|---|
| AN0032 | ANODIZED, QQ-A-696 |
| BA0000 | BLACK OXIDE |
| BA0003 | BLACK OXIDE, MIL-C-13924, CLASS 2 |
| BR0000 | BRASS |
| BR0184 | BRASS, QQ-B-626, ALLOY 260 |
| BR0178 | BRIGHT BRASS, FF-H-116, US3 |
| VA0003 | BRIGHT JAPANNED, FF-H-116, US1B |
| BN0000 | BRONZE |
| BNA000 | BRONZE ALUMINUM |
| CD0026 | CADMIUM, MIL-F-14072, FINISH M262 |
| CD0018 | CADMIUM PLATE, QQ-P-416, TYPE 2 |
| CD0022 | CADMIUM PLATED, GSS 8050A, GRUMMAN AIRCRAFT ENGR CORP |
| CD0000 | CADMIUM |
| CD0002 | CADMIUM, AMS 2416 |
| CD0016 | CADMIUM, FF-H-116, US2C |
| CD0015 | CADMIUM, QQ-P-416 |
| CD0004 | CADMIUM, QQ-P-416, TYPE 1, CLASS 1 |
| CD0005 | CADMIUM, QQ-P-416, TYPE 1, CLASS 2 |
| CD0006 | CADMIUM, QQ-P-416, TYPE 1, CLASS 3 |
| CD0114 | CADMIUM, QQ-P-416, TYPE 2 |
| CD0007 | CADMIUM, QQ-P-416, TYPE 2, CLASS 1 |
| CD0008 | CADMIUM, QQ-P-416, TYPE 2, CLASS 2 |
| CD0009 | CADMIUM, QQ-P-416, TYPE 2, CLASS 3 |
| CD0011 | CADMIUM, QQ-P-416, TYPE 3, CLASS 2 |
| CDS000 | CADMIUM W/CHROMATE |
| CD0692 | CADMIUM, 1E397, CATERPILLAR TRACTOR CO |
| CN0000 | CHROMATE |
| CN0040 | CHROMATE, HP4-57, HUGHES AIRCRAFT CO |
| CN0027 | CHROMATE, MIL-C-5541, CLASS 1A |
| CN0021 | CHROMATE, MIL-C-5541, CLASS 3 |
| CHC000 | Chromate, Zinc, TT-P-1757 (Use Reply Code FN0036) |
| CHROME PLATED | CHROME PLATED |
| CR0009 | CHROMIUM, FF-H-116, US26 |
| CRA000 | CHROMIUM PLATED |
| CR0010 | CHROMIUM PLATED, DULL, FF-H-116, US26D |
| CU0000 | COPPER |
| CUN000 | COPPER PLATED |
| BB0001 | DEAD BLACK, FF-H-116, US1D |
| DC0010 | DICHROMATE, P.S.13201, TYPE 2, MCDONNELL DOUGLAS CORP |
| BR0179 | DULL BRASS, FF-H-116, US4 |
| BN0087 | DULL BRONZE, FF-H-116, US10 |
| EN0000 | ENAMEL |
| EN0172 | ENAMEL, ALKYD, MIL-E-52798, TYPE 1 |
| EN0173 | ENAMEL, ALKYD, MIL-E-52798, TYPE 2 |
| EN0170 | ENAMEL, ALKYD, MIL-E-52835, TYPE 1 |
| EN0171 | ENAMEL, ALKYD, MIL-E-52835, TYPE 2 |
| EN0105 | ENAMEL, FED STD 595, TYPE 24410 |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|--|
| ENH000 | ENAMEL, GRAY |
| EN0008 | ENAMEL, MIL-E-15090, TYPE 2, CLASS 1 |
| EN0011 | ENAMEL, MIL-E-15090, TYPE 3, CLASS 2 |
| EN0124 | ENAMEL, NAI 1278, NORTHROP CORP |
| EN0022 | ENAMEL, OLIVE DRAB, TT-E-529 |
| EN0125 | ENAMEL, STF0120, NORTHROP CORP |
| EN0005 | ENAMEL, TT-E-485 |
| EN0002 | ENAMEL, TT-E-489 |
| EN0012 | ENAMEL, TT-E-489, CLASS A |
| EN0013 | ENAMEL, TT-E-489, CLASS B |
| EN0019 | ENAMEL, TT-E-529 |
| EN0014 | ENAMEL, TT-E-529, CLASS A |
| EN0127 | ENAMEL, 580-0087-00, COLLINS RADIO CO |
| EN0126 | ENAMEL, 9708930, CLASS 1, ARMY MISSILE COMMAND, REDSTONE ARSENAL |
| ENC000 | ENAMELED |
| GB0000 | GALVANIZED |
| JA0000 | JAPAN |
| LQ0000 | LACQUER |
| LQH000 | LACQUER, CLEAR |
| LQ0016 | LACQUER, MIL-L-6805-CANCELED |
| LQC000 | LACQUERED |
| LL0027 | LUBRICANT, SOLID FILM, MIL-L-8937, FORM A |
| LL0129 | LUBRICANT, SOLID FILM, MIL-L-8937, FORM B |
| NF0052 | NICKEL, MIL-C-26074, CLASS 2 |
| NFG000 | NICKEL PLATED |
| NF0018 | NICKEL PLATED, FF-H-116, US14 |
| NF0024 | NICKEL, QQ-N-290 |
| NF0019 | NICKEL, QQ-N-290, CLASS 2, TYPE 5 |
| NF0023 | NICKEL, QQ-N-290, CLASS 2, TYPE 6 |
| XX0002 | OXIDE FILM, MIL-C-5541 |
| XX0004 | OXIDE FILM, MIL-C-5541, TYPE 1 |
| XX0007 | OXIDE FILM, MIL-C-5541, TYPE 1, GRADE A, CLASS 2 |
| XX0013 | OXIDE FILM, MIL-C-5541, TYPE 1, GRADE C, CLASS 2 |
| XX0014 | OXIDE FILM, MIL-C-5541, TYPE 1, GRADE C, CLASS 3 |
| PNG000 | PAINT |
| PND000 | PAINT, BLACK |
| PN0238 | PAINT, CLASS 2, CZG300, COLOR CODE L, INTERNATIONAL HOUGH DIV |
| PN0131 | PAINT, EPOXY, MIL-P-22808-CANCELED |
| PN0130 | PAINT, MIL-F-14072, FINISH P515 |
| PN0037 | PAINT, MIL-P-52192 |
| PN0035 | PAINT, MIL-STD-171, NO. 21.9 |
| PNH000 | PAINT, OLIVE DRAB |
| PN0013 | PAINT, PRIMER, TT-P-636 |
| PN0003 | PAINT, PRIMER, TT-P-666 |
| PN0243 | PAINT, WS10012, RAYTHEON CO |
| PN0000 | PAINTED |

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| <u>REPLY CODE</u> | <u>REPLY (AD09)</u> |
|-------------------|--|
| PNJ000 | PAINTED, W/PRIMER UNDERCOAT |
| PS0000 | PASSIVATED |
| PS0018 | PASSIVATED, F-16, TEXAS INSTRUMENTS INC, APPARATUS DIV |
| PS0312 | PASSIVATED, GSS7021, GRUMMAN AEROSPACE CORP |
| PS0050 | PASSIVATED, MIL-C-5541 |
| PS0008 | PASSIVATED, MIL-F-14072, FINISH E300 |
| PS0002 | PASSIVATED, MIL-F-14072, FINISH E300, TYPE 2 |
| PS0003 | PASSIVATED, MIL-S-5002 |
| PS0009 | PASSIVATED, MIL-STD-171, FINISH NO. 5.4.1 |
| PS0042 | PASSIVATED, MIL-STD-171, 5.4 |
| PS0057 | PASSIVATED, PS13001, MCDONNELL DOUGLAS CORP |
| PS0007 | PASSIVATED, QQ-P-35 |
| PS0004 | PASSIVATED, QQ-P-35, TYPE 1 |
| PS0544 | PASSIVATED, QQ-P-35, TYPE 4 |
| PS0361 | PASSIVATED, 032, APECO CORP |
| PH0000 | PHOSPHATE |
| PH0019 | PHOSPHATE, JAN-C-490, GRADE 1 |
| PH0001 | PHOSPHATE, MIL-C-16232, TYPE 2-CANCELED |
| PH0026 | PHOSPHATE, 57-0-2, TYPE 2, CLASS B |
| PCAJ00 | PLASTIC, POLYURETHANE |
| PC2955 | PLASTIC, POLYURETHANE, MIL-C-46168 |
| FN0001 | PRIMED FOR PAINT, FF-H-116, USP |
| FN0048 | PRIMER, C-37-1126, LOCKHEED AIRCRAFT CORP |
| FN0104 | PRIMER, F-2.16, THE BOEING CO |
| FN0006 | PRIMER, MIL-P-8585-CANCELED |
| FN0036 | PRIMER, ZINC-CHROMATE, TT-P-1757 |
| SN0000 | TIN |
| FNA000 | UNDERCOATED, POLISHED AND LACQUERED |
| ZNAB00 | ZINC AND PHOSPHATE OR ZINC |
| ZNAE00 | ZINC CHROMATE PRIMER |
| ZN0041 | ZINC CHROMATE PRIMER, MIL-P-8585-CANCELED |
| ZNA000 | ZINC CHROMATE |
| ZN0227 | ZINC CHROMATE, LAC G14, LOCKHEED-GEORGIA CO |
| ZN0063 | ZINC CHROMATE, MIL-P-6808 |
| ZN0226 | ZINC CHROMATE, MIL-P-6889, TYPE 2-CANCELED |
| ZN0018 | ZINC COATED, FF-H-116, US2G |
| ZN0019 | ZINC COATED-HOT DIPPED, FF-H-116, US2H |
| ZN0055 | ZINC PHOSPHATE, TT-C-490, TYPE 1 |
| ZN0378 | ZINC PLATED, MIL-C-81562, TYPE 2, CLASS 2 |
| ZN0000 | ZINC |
| ZN0045 | ZINC, ASTM A153 |
| ZN0360 | ZINC, ASTM B633 |
| ZN0020 | ZINC, MIL-Z-17871-CANCELED |
| ZN0048 | ZINC, QQ-Z-325, TYPE 2 |
| ZN0005 | ZINC, QQ-Z-325, TYPE 2, CLASS 2 |
| ZNAA00 | ZINC W/CHROMATE |
| ZN0062 | ZINC W/CHROMATE, MIL-P-8585-CANCELED |

| | |
|--------------|---------------------|
| <u>REPLY</u> | <u>REPLY (AD09)</u> |
| <u>CODE</u> | |
| ZNR000 | ZINC W/PHOSPHATE |

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| AL | ALLOY |
| AN | ANNEX |
| AP | APPENDIX |
| AC | APPLICABILITY CLASS |
| AR | ARRANGEMENT |
| AS | ASSEMBLY |
| AB | ASSORTMENT |
| BX | BOX |
| CY | CAPACITY |
| CA | CASE |
| CT | CATEGORY |
| CL | CLASS |
| CE | CODE |
| CR | COLOR |
| CC | COMBINATION CODE |
| CN | COMPONENT |
| CP | COMPOSITION |
| CM | COMPOUND |
| CD | CONDITION |
| CS | CONSTRUCTION |
| DE | DESIGN |
| DG | DESIGNATOR |
| DW | DRAWING NUMBER |
| EG | EDGE |
| EN | END |
| FY | FAMILY |
| FG | FIGURE |
| FN | FINISH |
| FM | FORM |
| FA | FORMULA |
| GR | GRADE |
| GP | GROUP |
| BA | IMAGE COLOR |
| NS | INSERT |
| TM | ITEM |
| KD | KIND |
| KT | KIT |
| LG | LENGTH |
| LT | LIMIT |
| MK | MARK |

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| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| AA | MARKER |
| ML | MATERIAL |
| BB | MAXIMUM DENSITY |
| MH | MESH |
| ME | METHOD |
| BC | MINIMUM DENSITY |
| MD | MODEL |
| MT | MOUNTING |
| NR | NUMBER |
| PT | PART |
| PN | PATTERN |
| PC | PHYSICAL CONDITION |
| PS | PIECE |
| PL | PLAN |
| PR | POINT |
| QA | QUALITY |
| RN | RANGE |
| RT | RATING |
| RF | REFERENCE NUMBER |
| SC | SCHEDULE |
| SB | SECTION |
| SL | SELECTION |
| SE | SERIES |
| SV | SERVICE |
| SX | SET |
| SA | SHADE |
| SH | SHAPE |
| SG | SHEET |
| SZ | SIZE |
| PZ | SPECIES |
| SQ | SPECIFICATION SHEET |
| SD | SPEED |
| ST | STYLE |
| SS | SUBCLASS |
| SF | SUBFORM |
| SP | SUBTYPE |
| SN | SURFACE CONDITION |
| SY | SYMBOL |
| SM | SYSTEM |
| TB | TABLE |
| TN | TANNAGE |
| TP | TEMPER |
| TX | TEXTURE |
| TK | THICKNESS |
| TT | TREATMENT |
| TR | TRIM |
| TY | TYPE |
| YN | UNIT |

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| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| VA | VARIETY |
| WT | WEIGHT |
| WD | WIDTH |

Reference Drawing Groups

| | |
|--|----|
| REFERENCE DRAWING GROUP A Tables | 40 |
| REFERENCE DRAWING GROUP A | 42 |
| REFERENCE DRAWING GROUP B | 63 |
| REFERENCE DRAWING GROUP C Tables | 64 |
| REFERENCE DRAWING GROUP C | 66 |

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REFERENCE DRAWING GROUP A Tables
HASP/HINGE LEAF STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., AKFBJAA0.750*; AKFBJLA0.2*; AKFBJAB0.500\$\$JAC0.750*)

NOTE FOR MRC ABTB: FOR ITEMS WHICH CITE A WOOD SCREW OR MACHINE SCREW SIZE IN LIEU OF A MOUNTING HOLE DIAMETER, REFER TO APPENDIX C, TABLE 2, 3 OR 4 AND ENTER AS A NOMINAL DIMENSION THE APPROPRIATE BODY HOLE CLEARANCE SIZE FOR THE WOOD OR MACHINE SCREW SIZE CITED ON THE SOURCE DOCUMENT.

| <u>REPLY CODE</u> | <u>REPLY (AA05)</u> |
|-------------------|---------------------|
| A | INCHES |
| L | MILLIMETERS |

| <u>REPLY CODE</u> | <u>REPLY (AC20)</u> |
|-------------------|---------------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| <u>MRC</u> | <u>Mode Code</u> | <u>Name of Dimension</u> |
|------------|------------------|---|
| ABHP | J | OVERALL LENGTH |
| ABPX | J | MATERIAL THICKNESS |
| ABTB | J | MOUNTING HOLE DIAMETER |
| ABVV | J | PIN DIAMETER |
| ADAT | J | BODY WIDTH |
| ADFY | J | CENTER TO CENTER DISTANCE BETWEEN MOUNTING HOLES ALONG LENGTH |
| AJDW | J | CENTER TO CENTER DISTANCE BETWEEN PINS |
| AKFB | J | SLOTTED LEAF LENGTH |
| AKFC | J | LEAF WIDTH |
| AKFD | J | FIXED LEAF LENGTH |
| AKFF | J | LEAF OUTER EDGE TO HOLE CENTER VERTICAL DISTANCE |
| AKFH | J | KNUCKLE LENGTH |
| AKFJ | J | END KNUCKLE LENGTH |
| AKFK | J | PIN CENTER TO BODY EDGE DISTANCE |
| AKFL | J | JAMB LEAF WIDTH |

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APPENDIX B

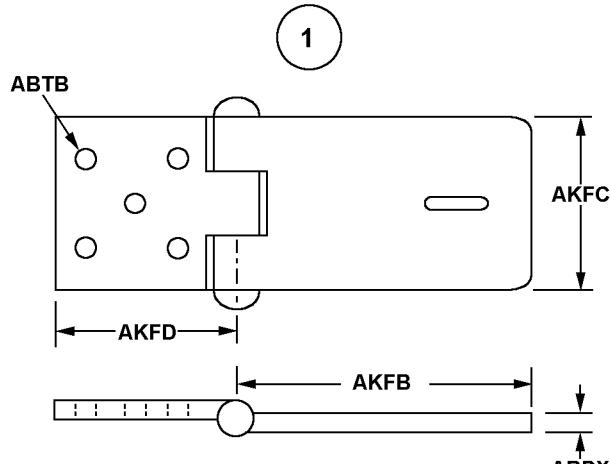
MRC Mode Code Name of Dimension

| | | |
|------|---|---|
| AKFM | J | DOOR LEAF WIDTH |
| AKFN | J | PIN CENTER TO JAMB LEAF EDGE DISTANCE |
| AKFP | J | PIN CENTER TO DOOR LEAF EDGE DISTANCE |
| AKFQ | J | JAMB LEAF OFFSET DISTANCE |
| AKFR | J | DOOR LEAF OFFSET DISTANCE |
| AKFS | J | KNUCKLE INSIDE DIAMETER |
| AKFT | J | DEVELOPED DISTANCE FROM PIN CENTER TO OFFSET JAMB LEAF EDGE |
| AKFV | J | DEVELOPED DISTANCE FROM PIN CENTER TO OFFSET DOOR LEAF EDGE |

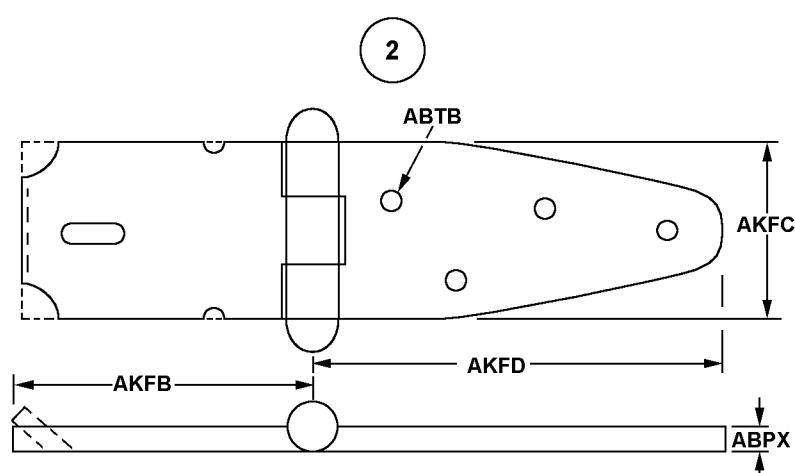
FIIG A251
APPENDIX B

REFERENCE DRAWING GROUP A

HASP STYLES



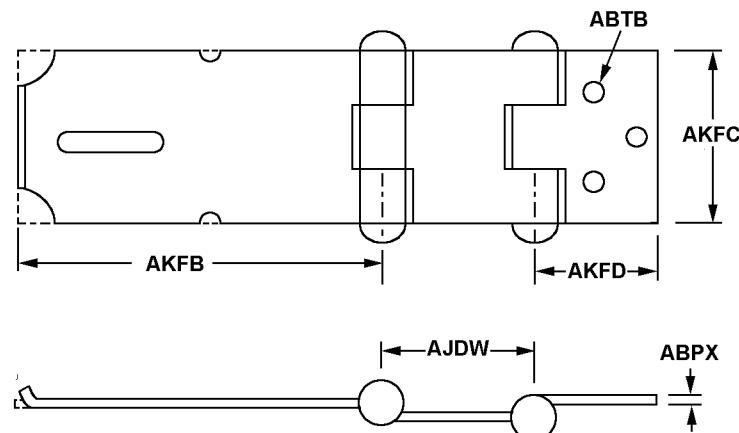
SINGLE SAFETY



SINGLE NONSAFETY

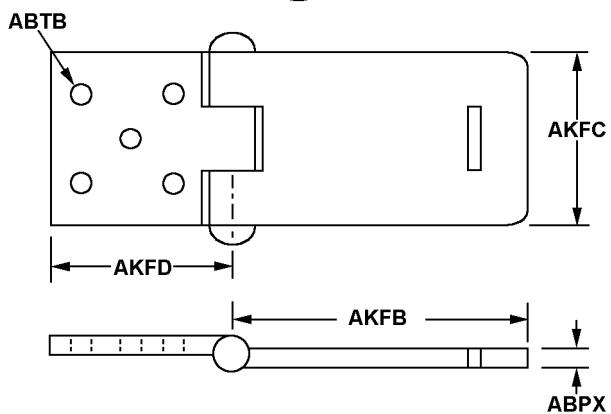
FIIG A251
APPENDIX B

3



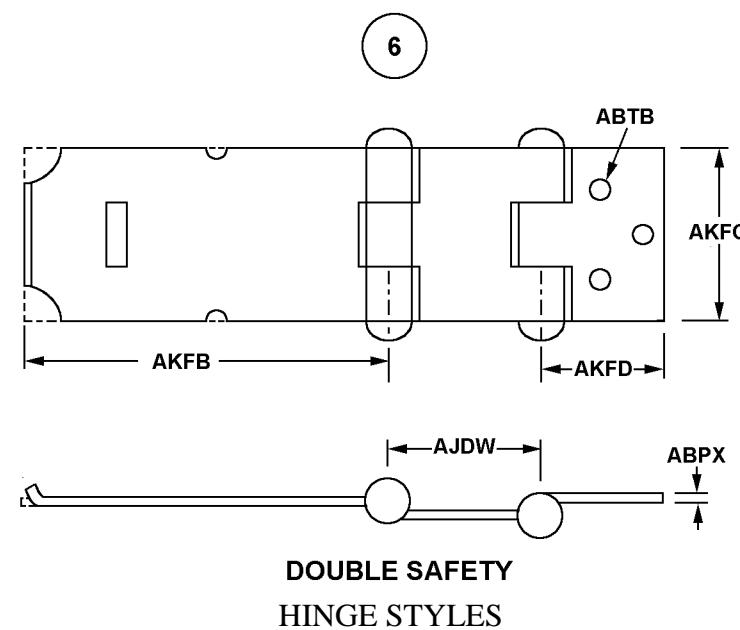
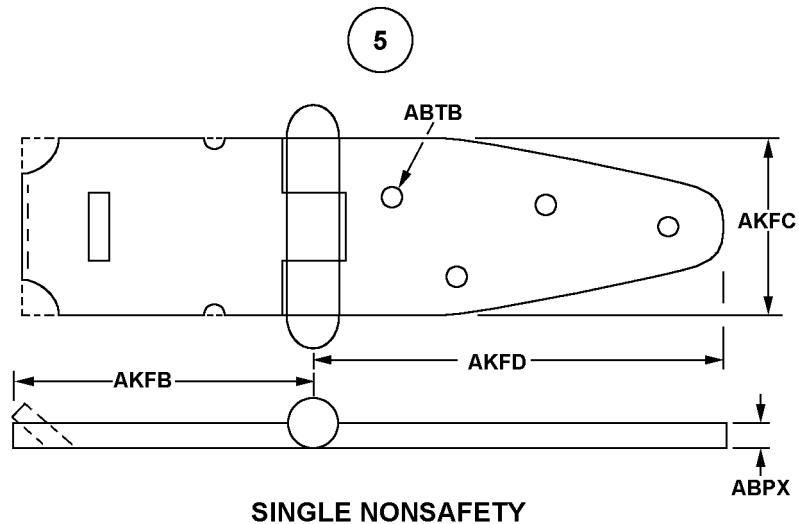
DOUBLE SAFETY

4

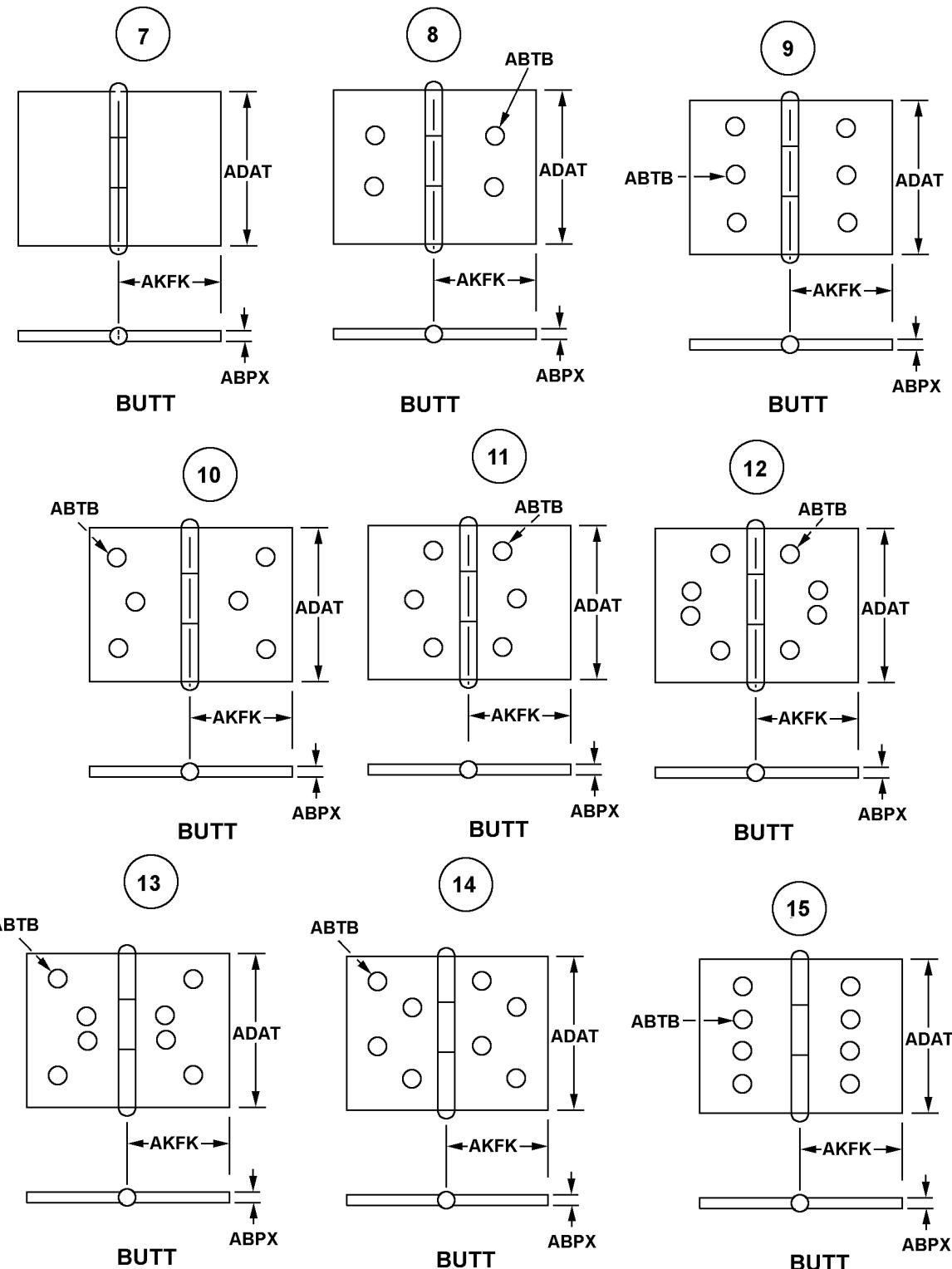


SINGLE SAFETY

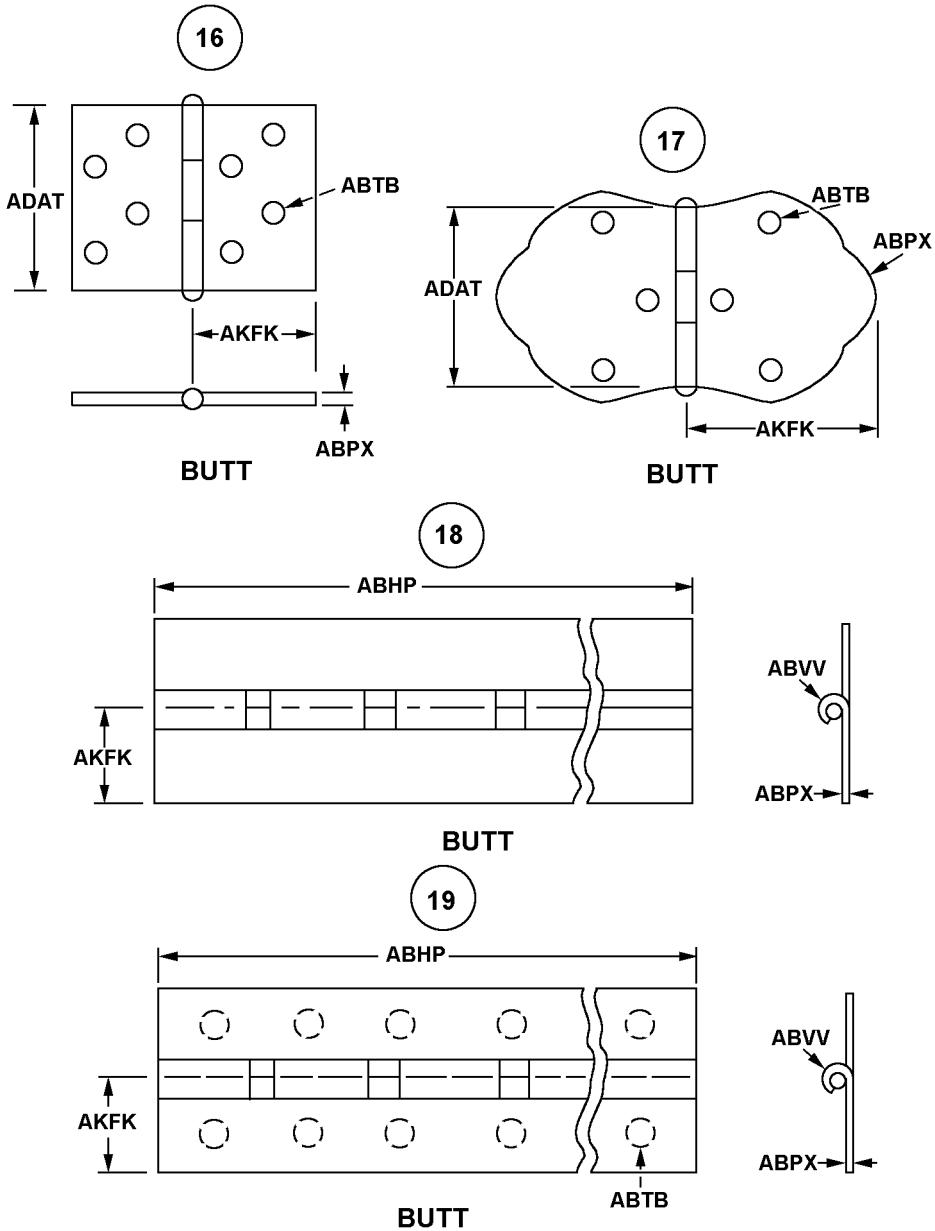
FIIG A251
APPENDIX B

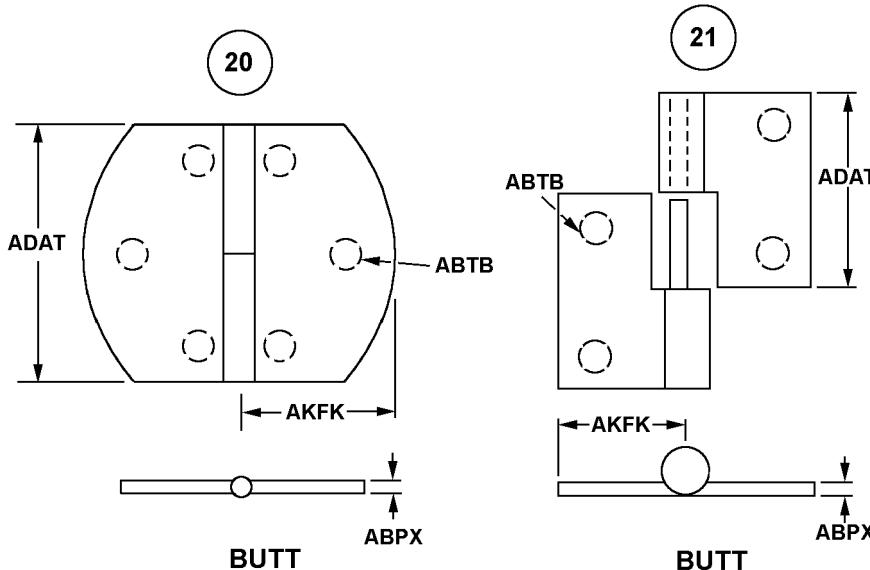


FIIG A251
APPENDIX B

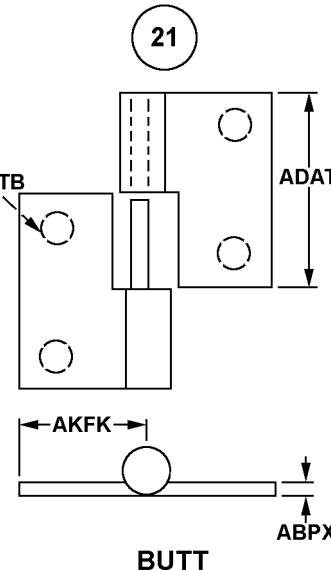


FIIG A251
APPENDIX B

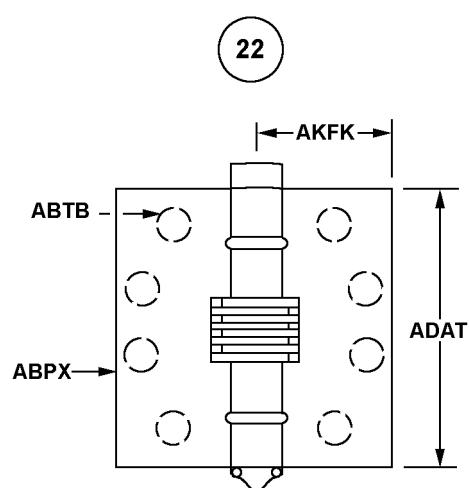




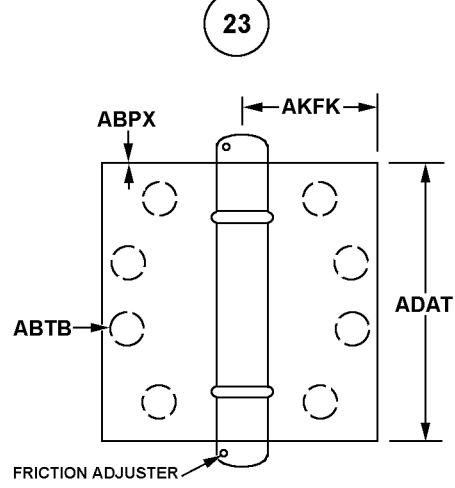
BUTT



BUTT



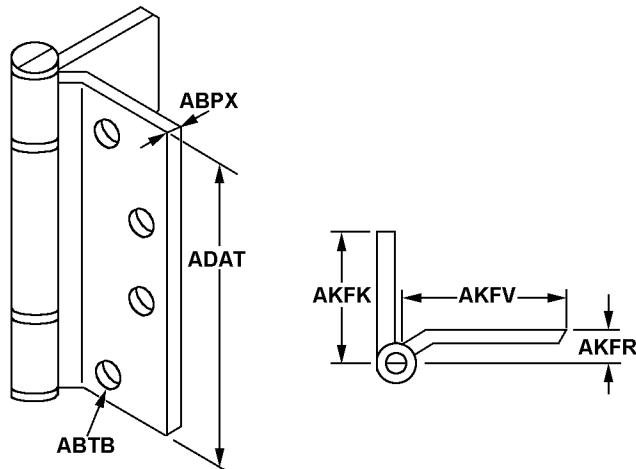
BUTT FRICTION ADJUSTABLE



BUTT FRICTION ADJUSTABLE

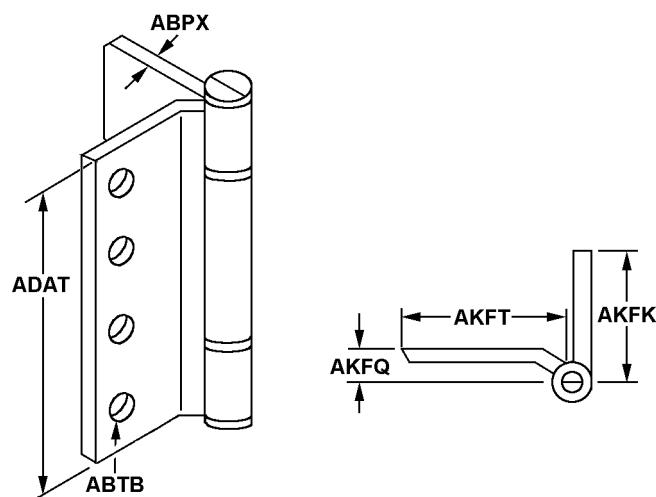
FIIG A251
APPENDIX B

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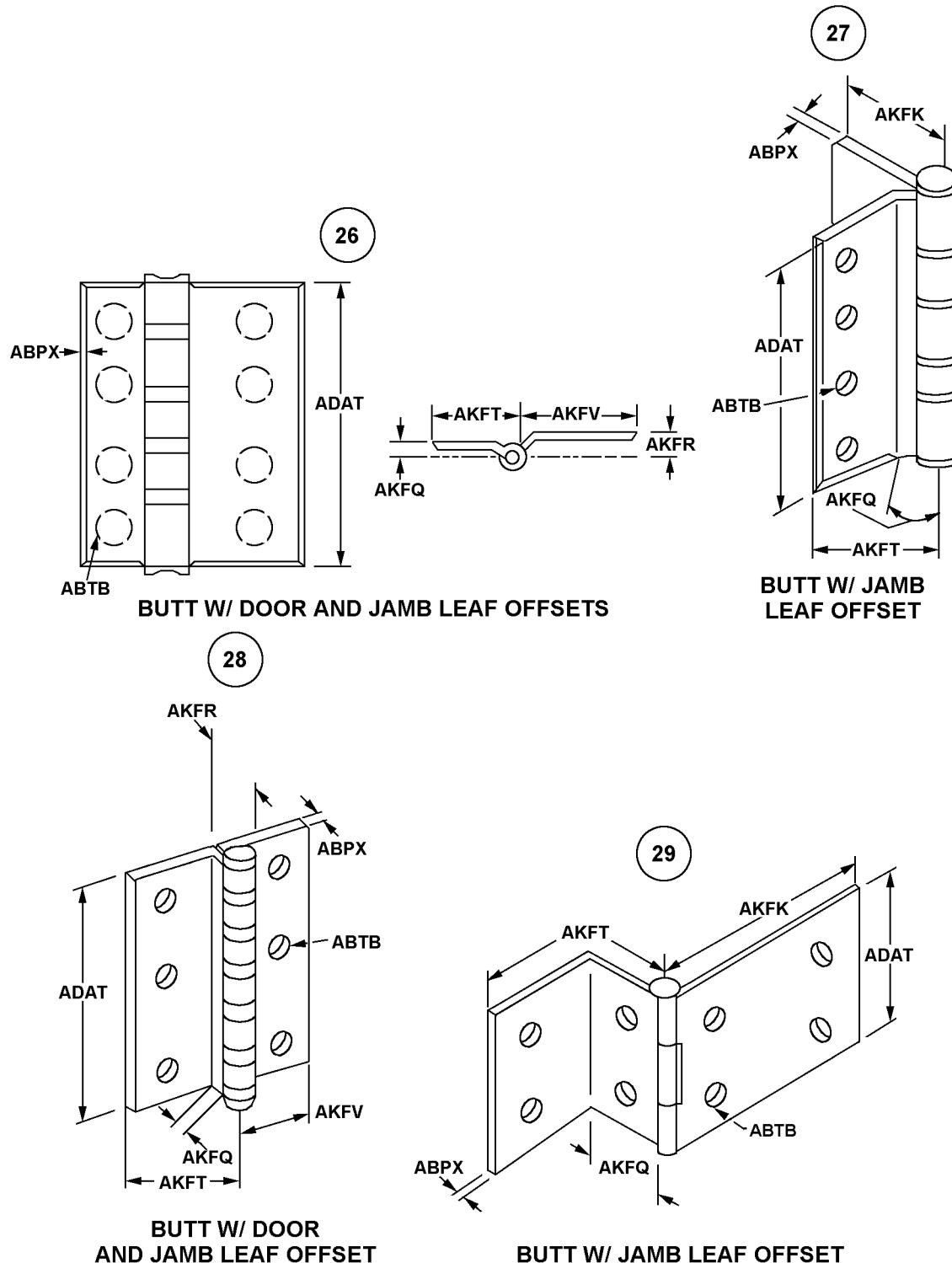


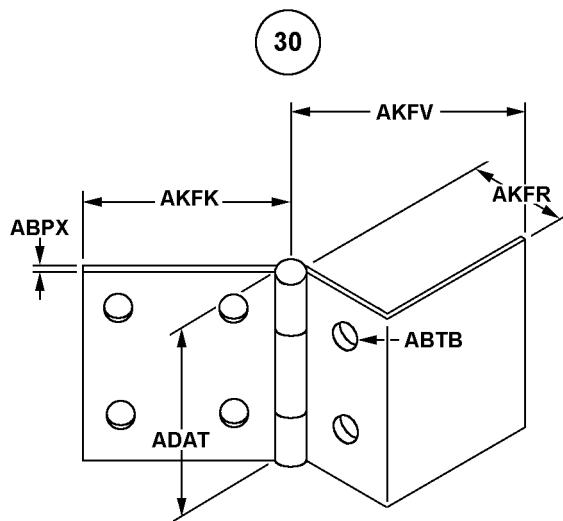
BUTT W/ DOOR
LEAF OFFSET

25

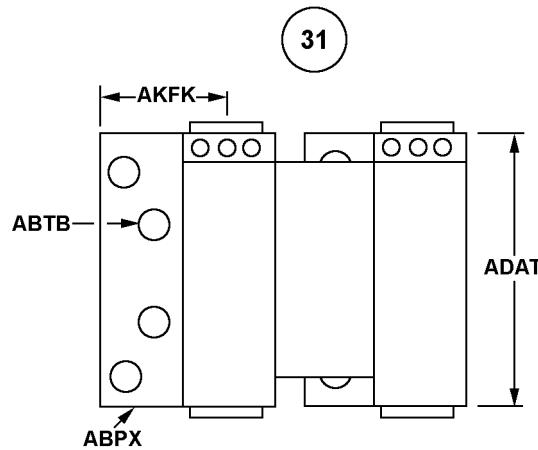


BUTT W/ JAMB
LEAF OFFSET

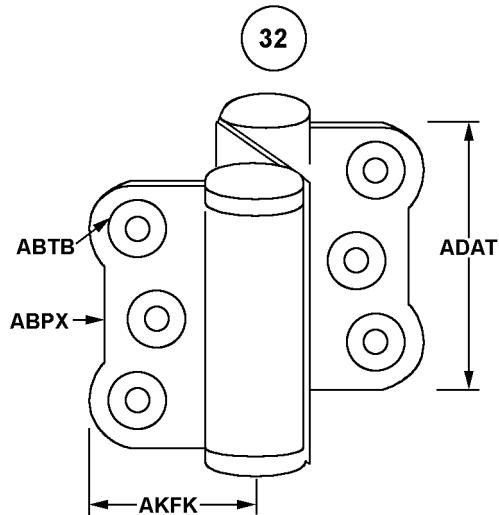




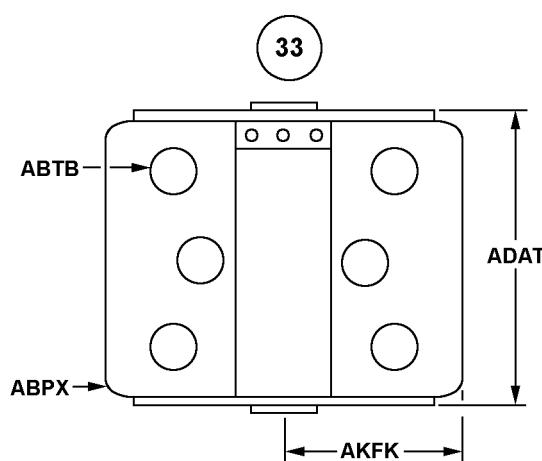
BUTT W/ DOOR
LEAF OFFSET



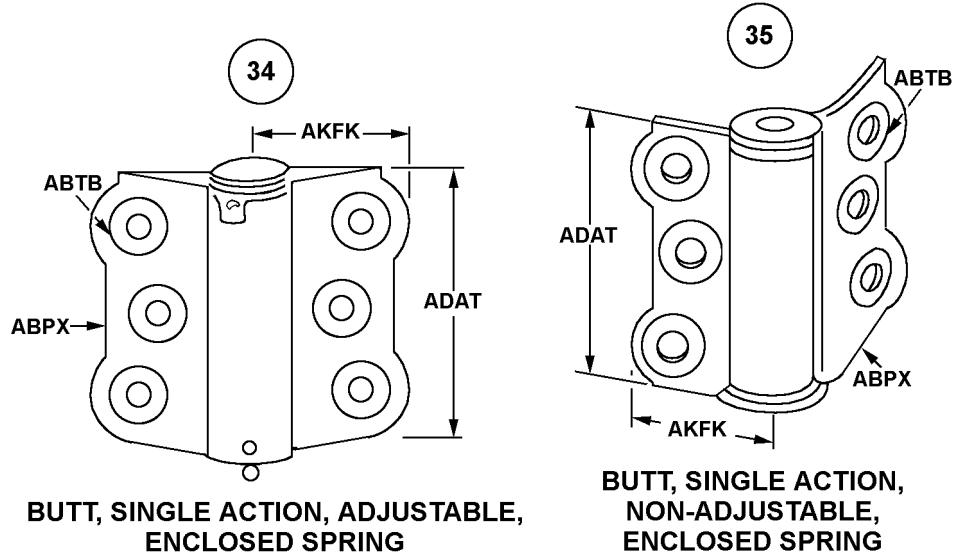
BUTT, DOUBLE ACTION, ADJUSTABLE,
ENCLOSED SPRING



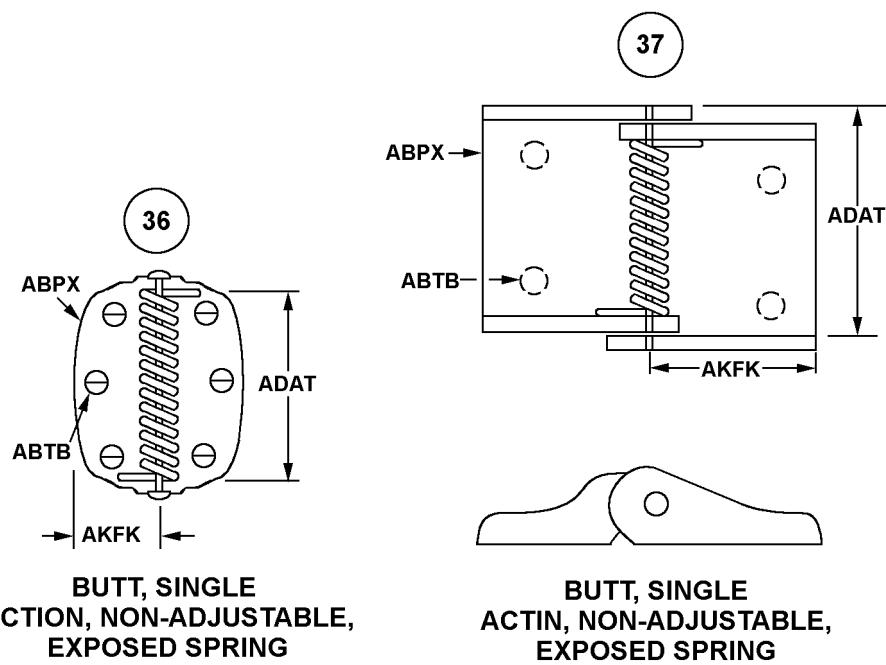
BUTT, DOUBLE ACTION, NON-ADJUSTABLE,
ENCLOSED SPRING



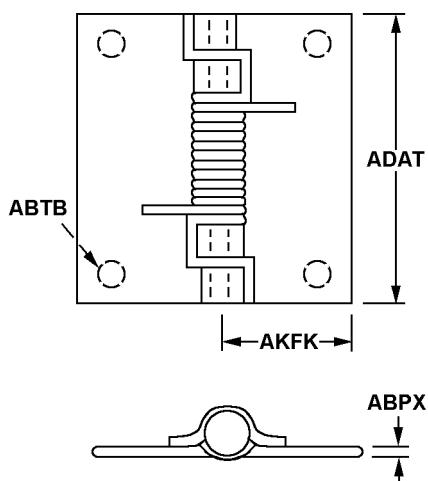
BUTT, SINGLE
ACTION, ADJUSTABLE,
ENCLOSED SPRING



**BUTT, SINGLE ACTION, NON-ADJUSTABLE,
ENCLOSED SPRING**

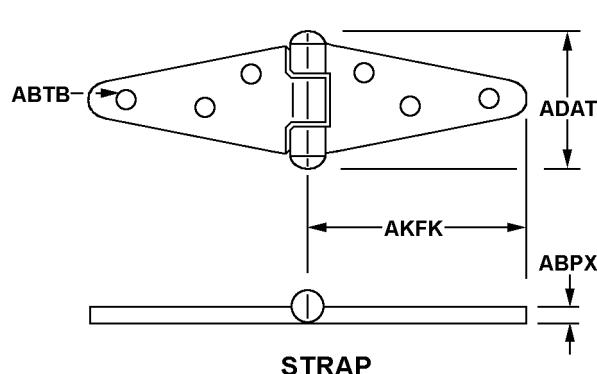


38



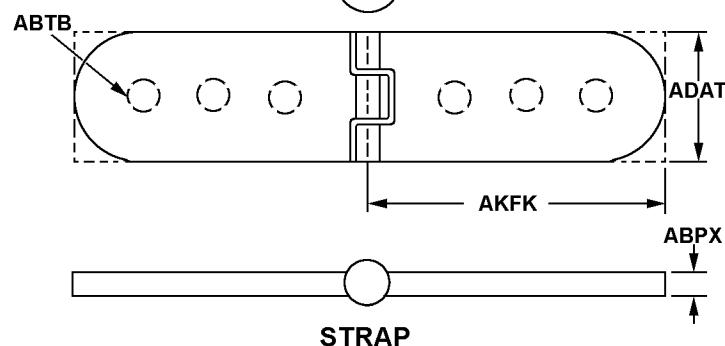
BUTT, SINGLE
ACTION, NON-ADJUSTABLE,
EXPOSED SPRING

60



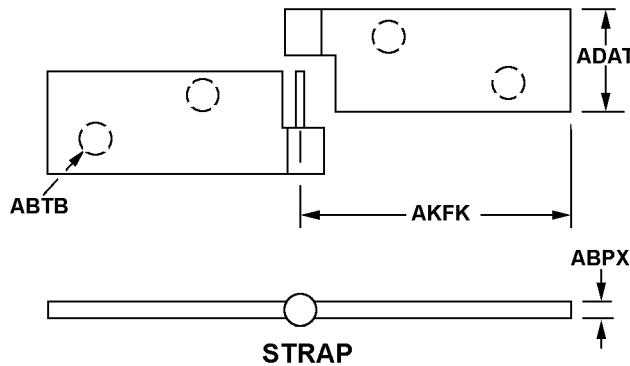
STRAP

61



STRAP

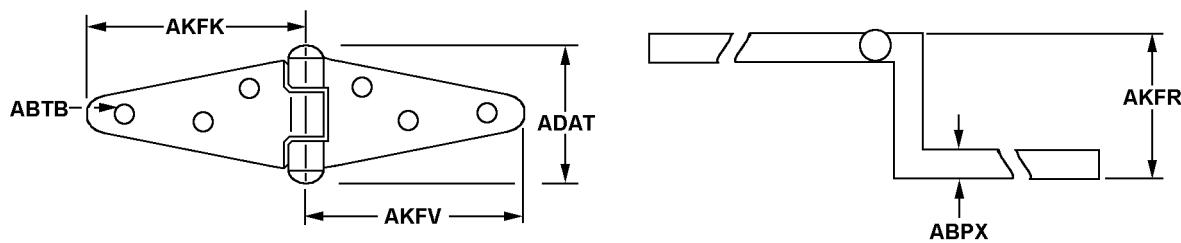
62



STRAP

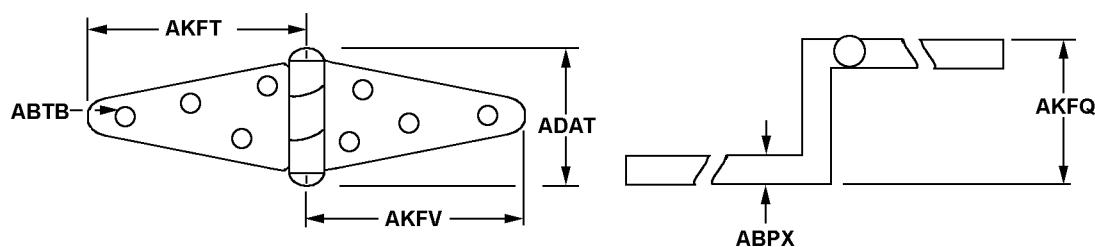
FIIG A251
APPENDIX B

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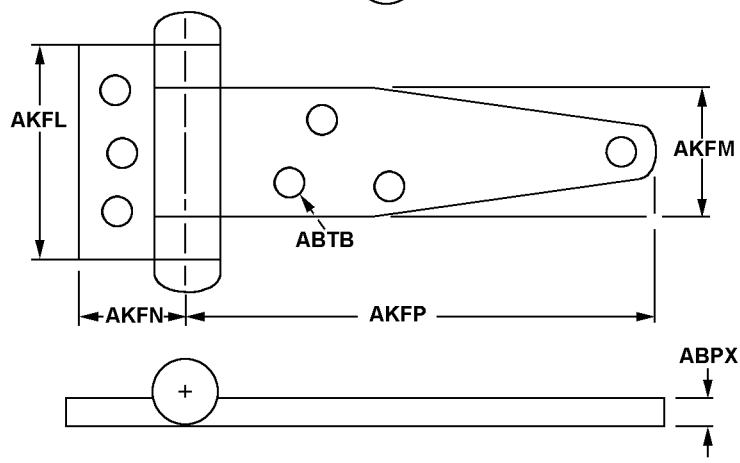
STRAP W/ DOOR LEAF OFFSET

64

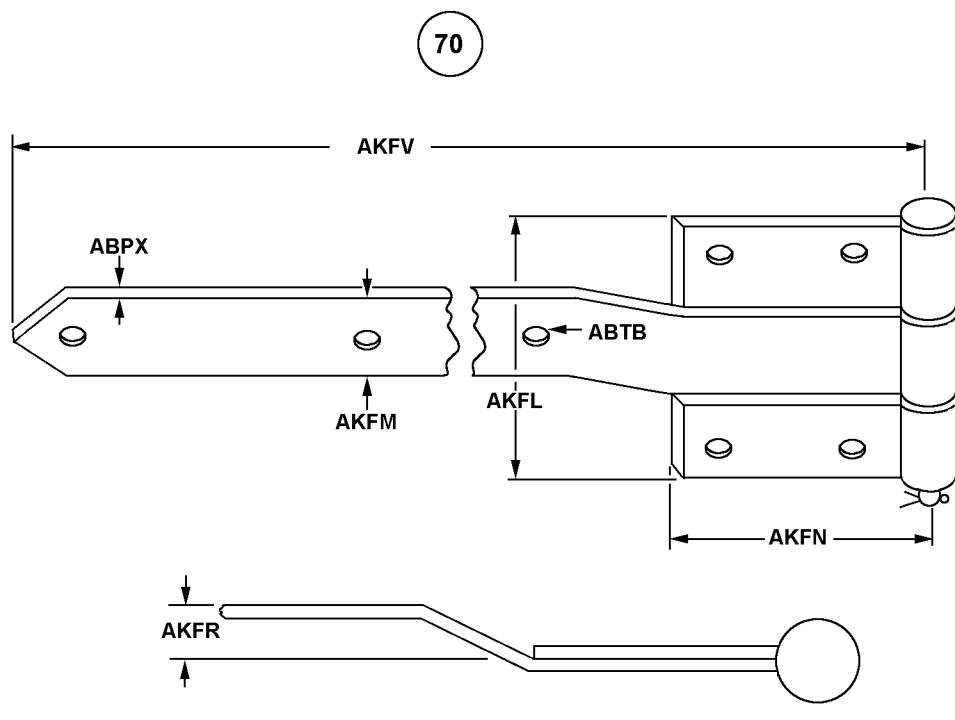
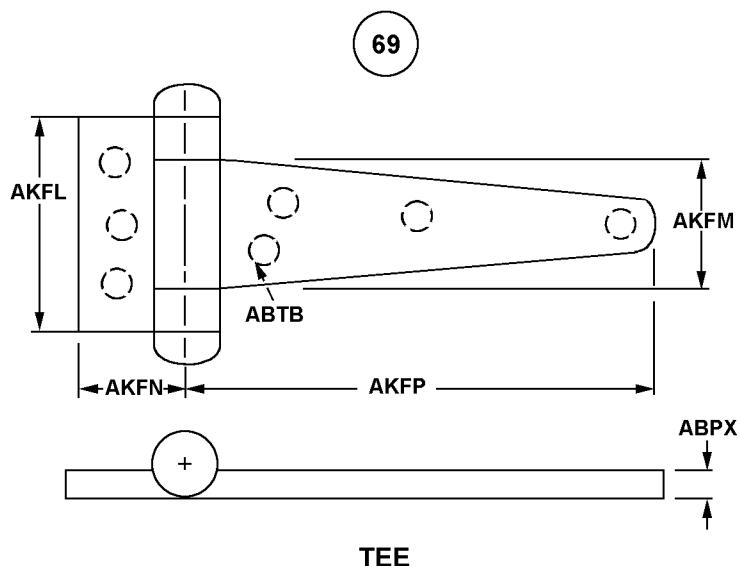


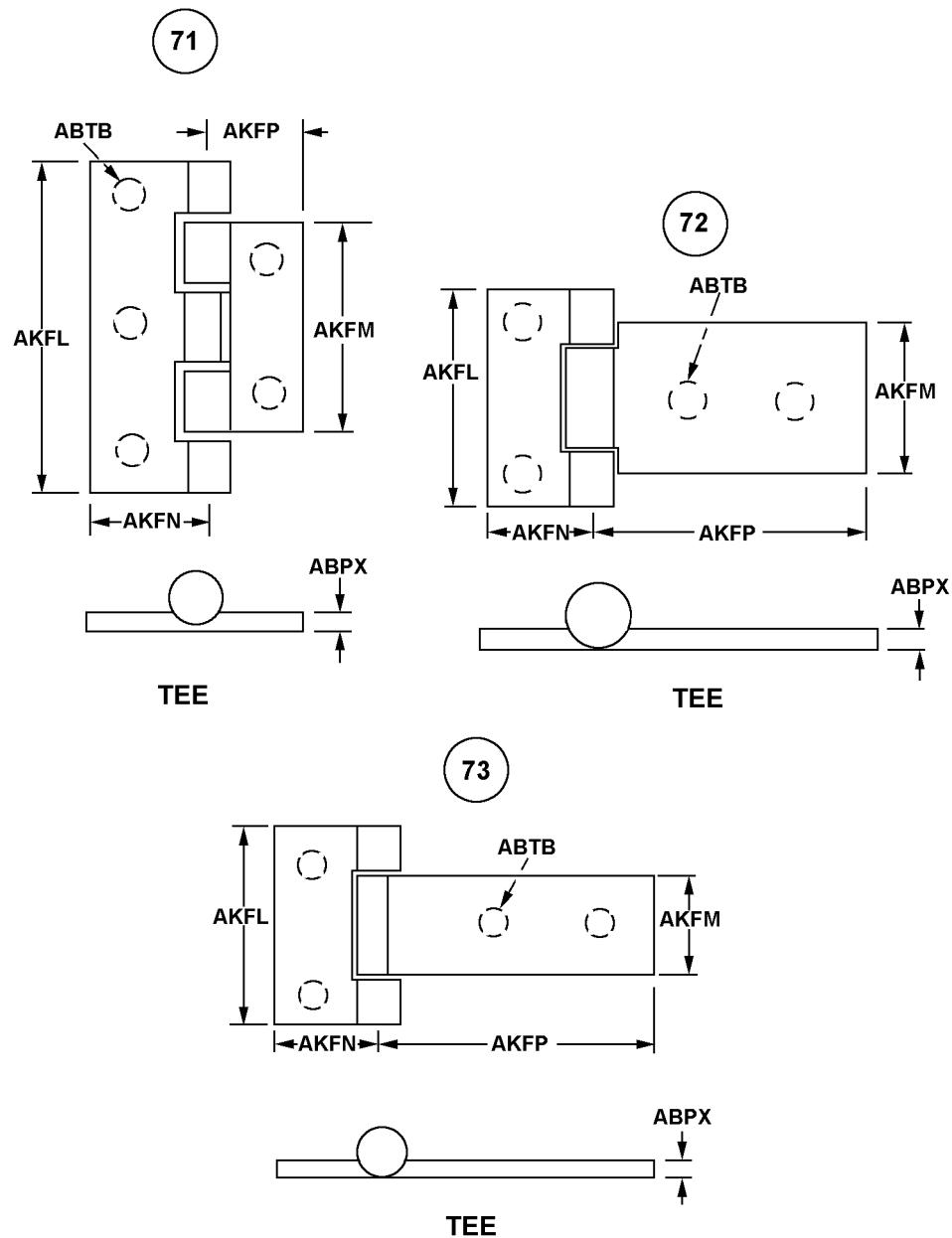
STRAP W/ JAMB LEAF OFFSET

68



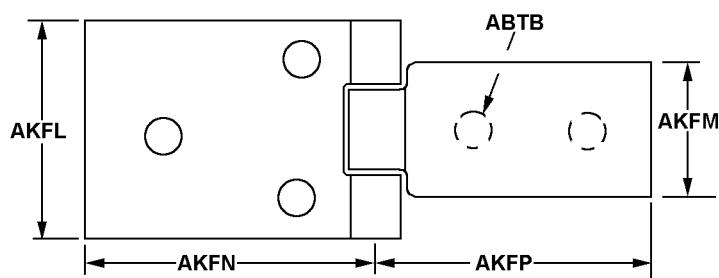
TEE





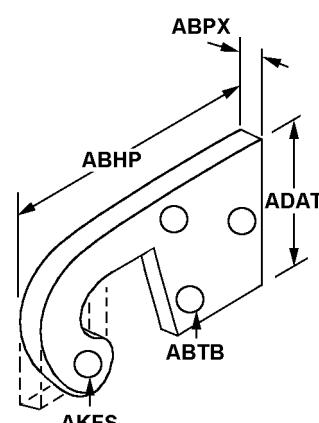
FIIG A251
APPENDIX B

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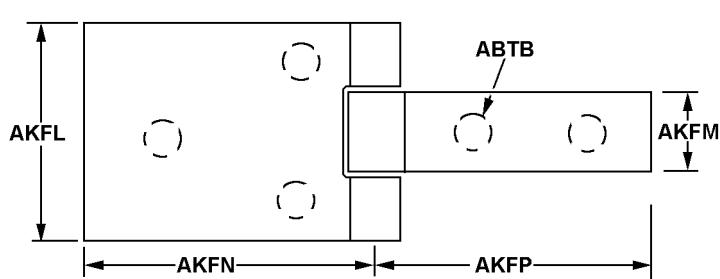


TEE

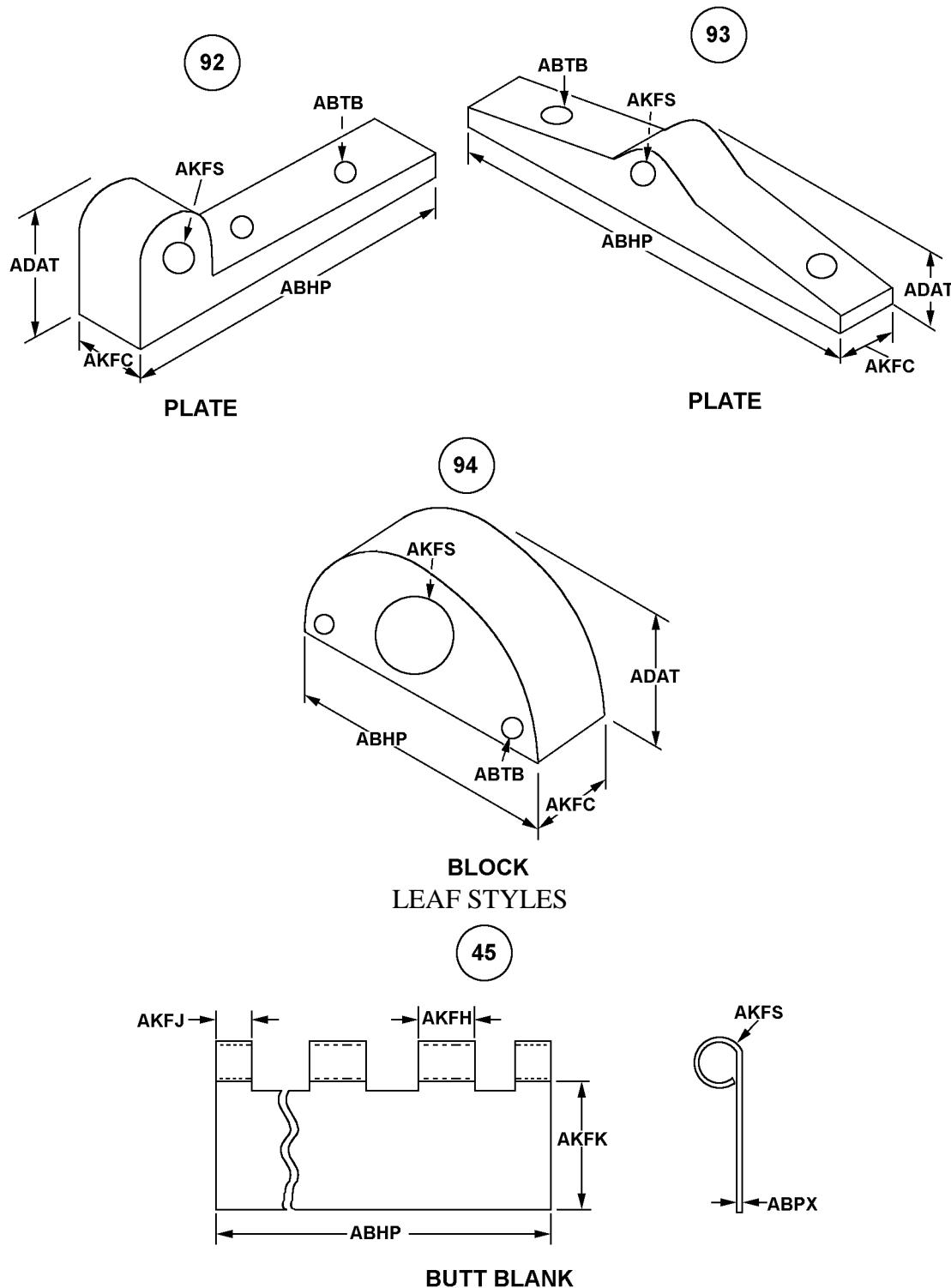
91



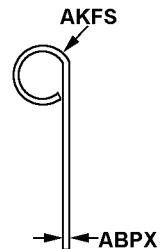
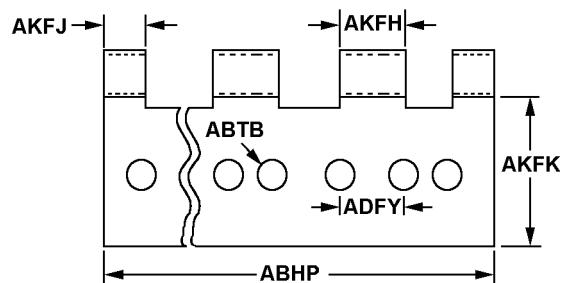
75



TEE

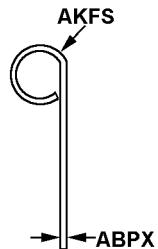
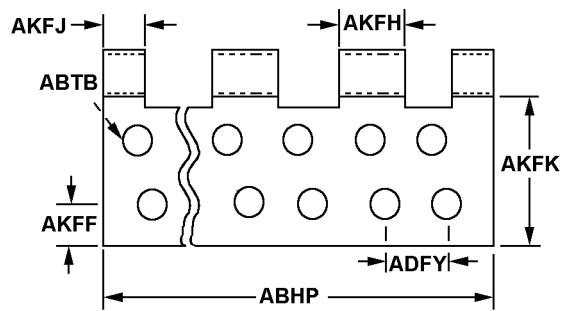


46



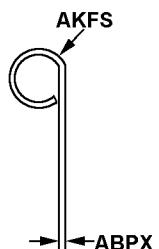
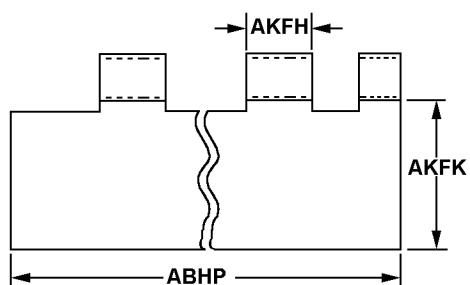
BUTT PARALLEL HOLES

47



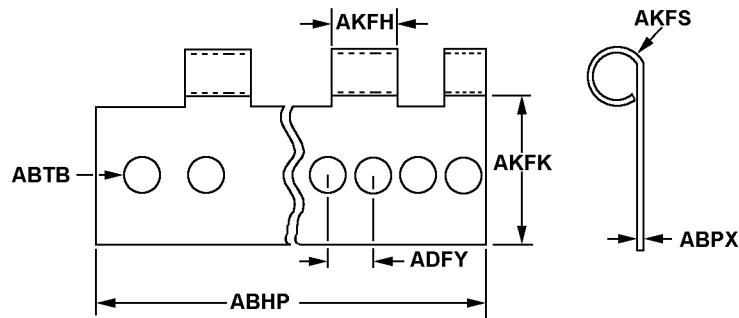
BUTT STAGGERED HOLES

48



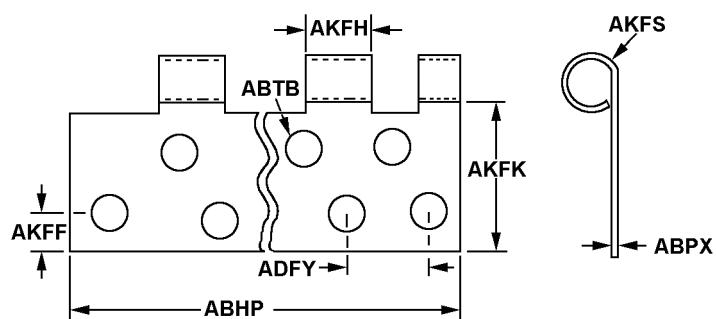
BUTT BLANK

49



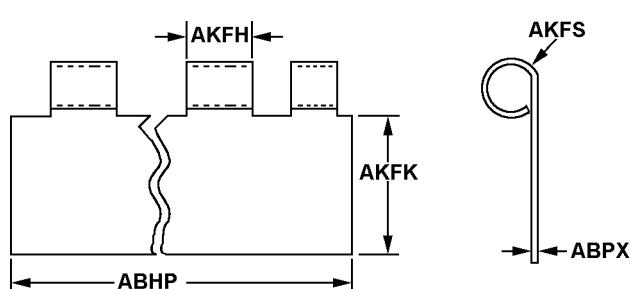
BUTT PARALLEL HOLES

50



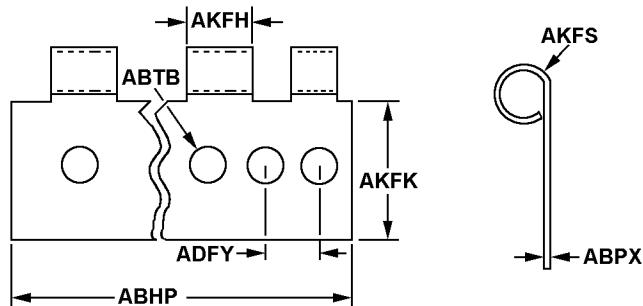
BUTT STAGGERED HOLES

51



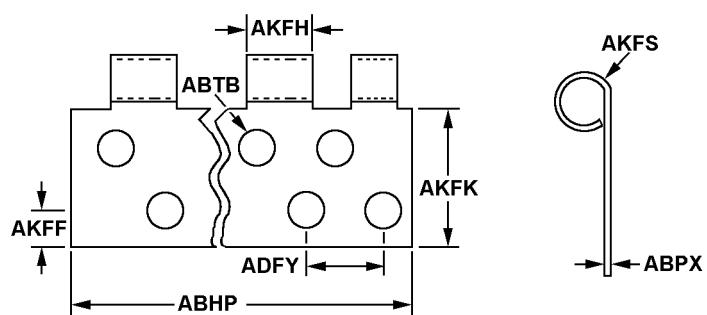
BUTT BLANK

52



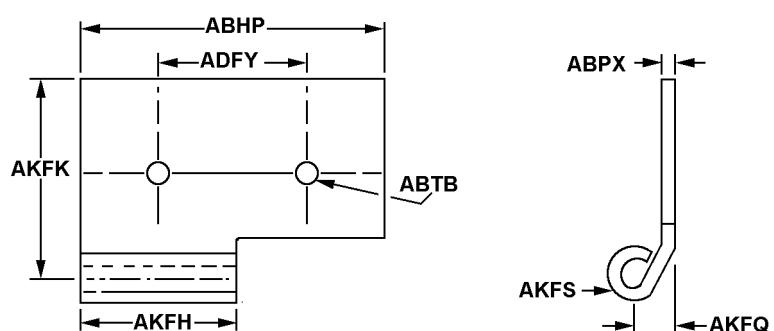
BUTT PARALLEL HOLES

53



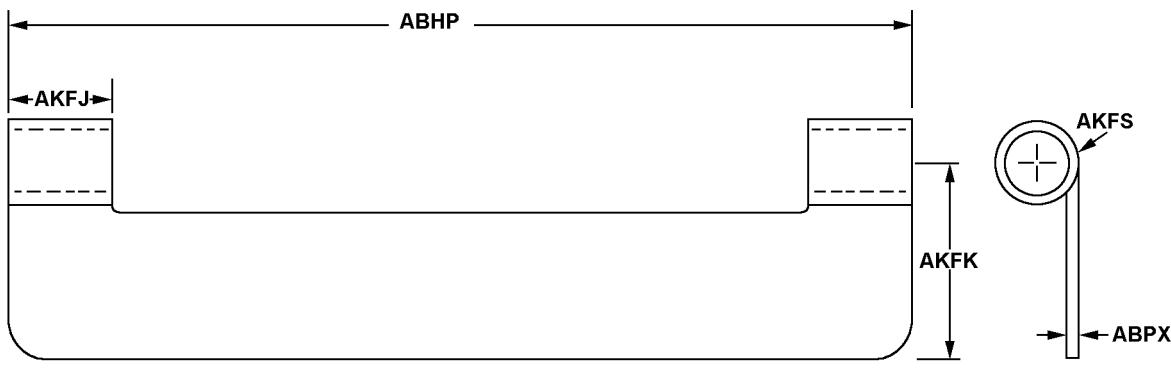
BUTT STAGGERED HOLES

54

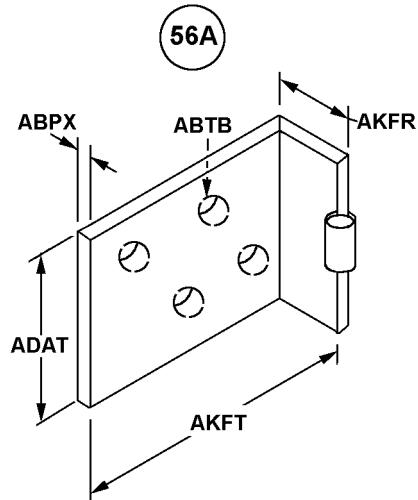


BUTT PARALLEL HOLES
END KNUCKLES

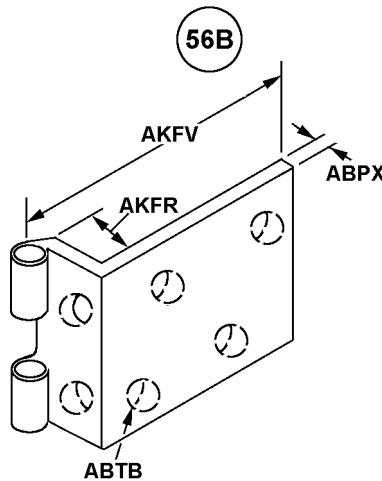
55



BUTT BLANK

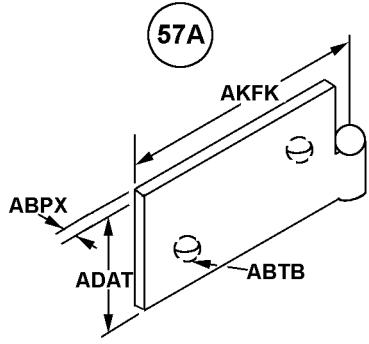


STRAP W/ JAMB LEAF OFFSET



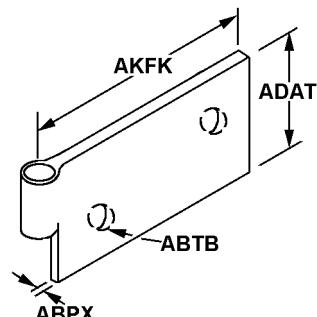
STRAP W/ DOOR LEAF OFFSET

57B

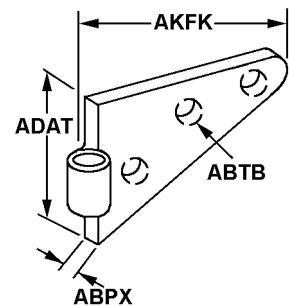


STRAP

57C

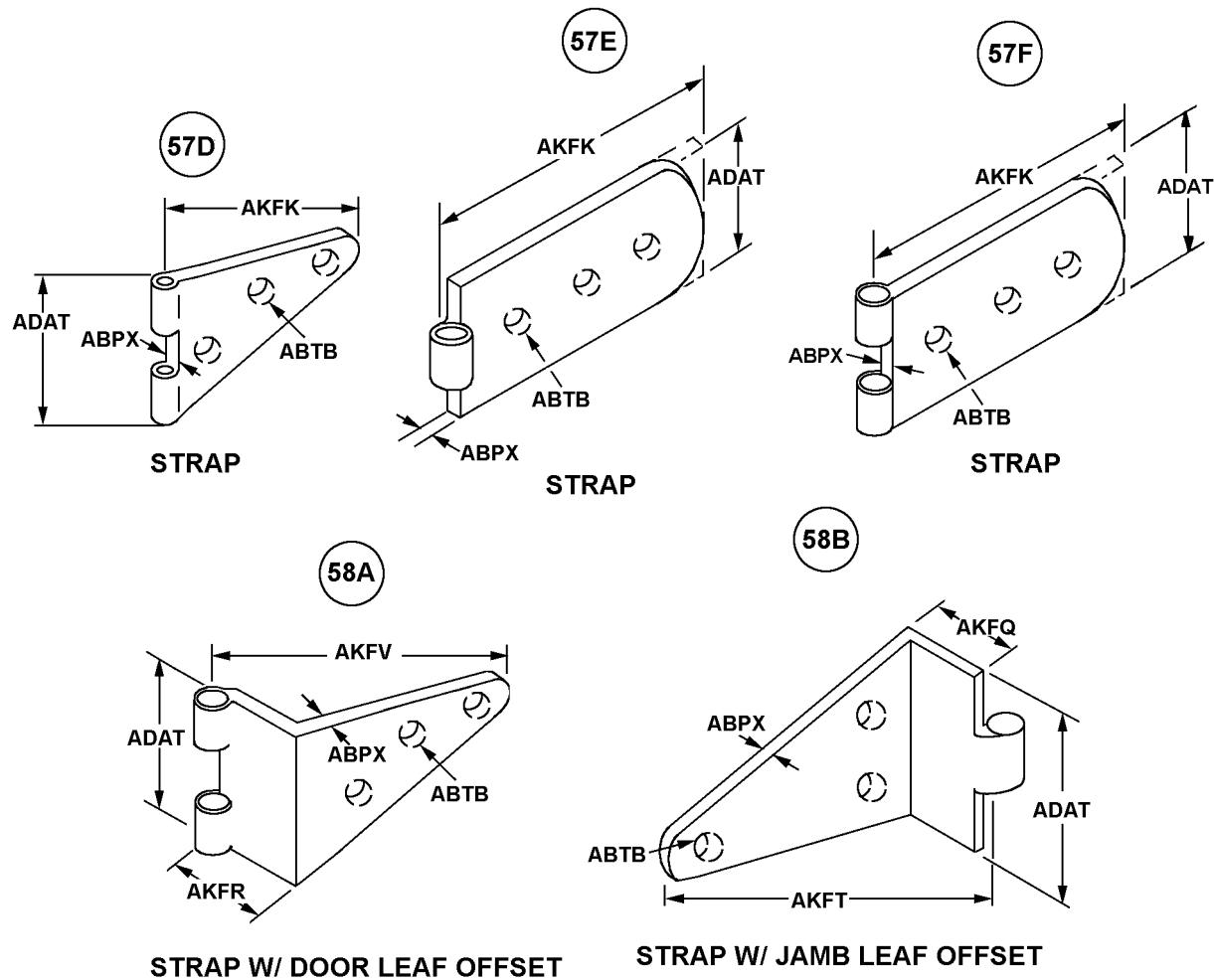


STRAP



STRAP

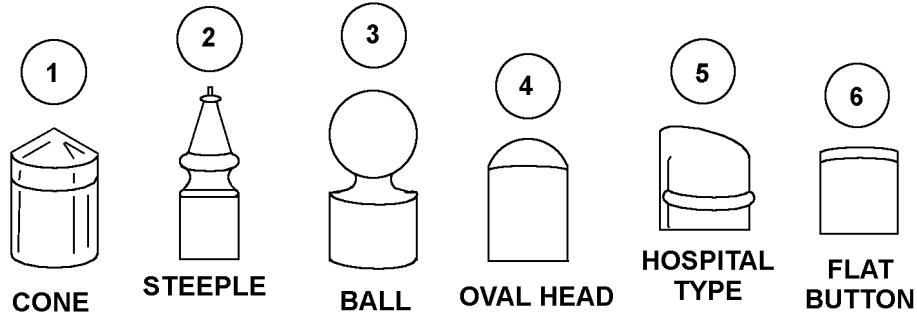
FIIG A251
APPENDIX B



REFERENCE DRAWING GROUP B

PIN TOP AND BOTTOM TIP STYLES

(No Requirements)



FIIG A251
APPENDIX B

REFERENCE DRAWING GROUP C Tables
STAPLE STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., ADEBJAA0.750*; ADEBJLA0.2*; ADEBJAB0.500\$\$JAC0.750*)

NOTE FOR MRC CZJR: FOR ITEMS WHICH CITE A WOOD SCREW OR MACHINE SCREW SIZE IN LIEU OF A MOUNTING HOLE DIAMETER, REFER TO APPENDIX C, TABLE 2, 3 OR 4 AND ENTER AS A NOMINAL DIMENSION THE APPROPRIATE BODY HOLE CLEARANCE SIZE FOR THE WOOD OR MACHINE SCREW SIZE CITED ON THE SOURCE DOCUMENT.

| <u>REPLY CODE</u> | <u>REPLY (AA05)</u> |
|-------------------|---------------------|
| A | INCHES |
| L | MILLIMETERS |

| <u>REPLY CODE</u> | <u>REPLY (AC20)</u> |
|-------------------|---------------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| <u>MRC</u> | <u>Mode Code</u> | <u>Name of Dimension</u> |
|------------|------------------|-------------------------------------|
| ADEB | J | PLATE THICKNESS |
| CJQR | J | PLATE DISTANCE TRANSVERSE TO STAPLE |
| CJQS | J | PLATE DISTANCE PARALLEL TO STAPLE |
| CJQW | J | STAPLE HEIGHT |
| CJQX | J | STAPLE WIDTH |
| CZJR | J | PLATE MOUNTING HOLE DIAMETER |

Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CJQYJA0.750*; CJQYJL3.4*; CJQYJA0.750\$\$JA8.000*)

| <u>REPLY CODE</u> | <u>REPLY (AA05)</u> |
|-------------------|---------------------|
| A | INCHES |
| L | MILLIMETERS |

| <u>MRC</u> | <u>Mode Code</u> | <u>Name of Dimension</u> |
|------------|------------------|--------------------------|
| | | |

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APPENDIX B

MRC Mode Code Name of Dimension

CJQY J STAPLE STOCK DIAMETER

CJQZ J STAPLE STOCK THICKNESS

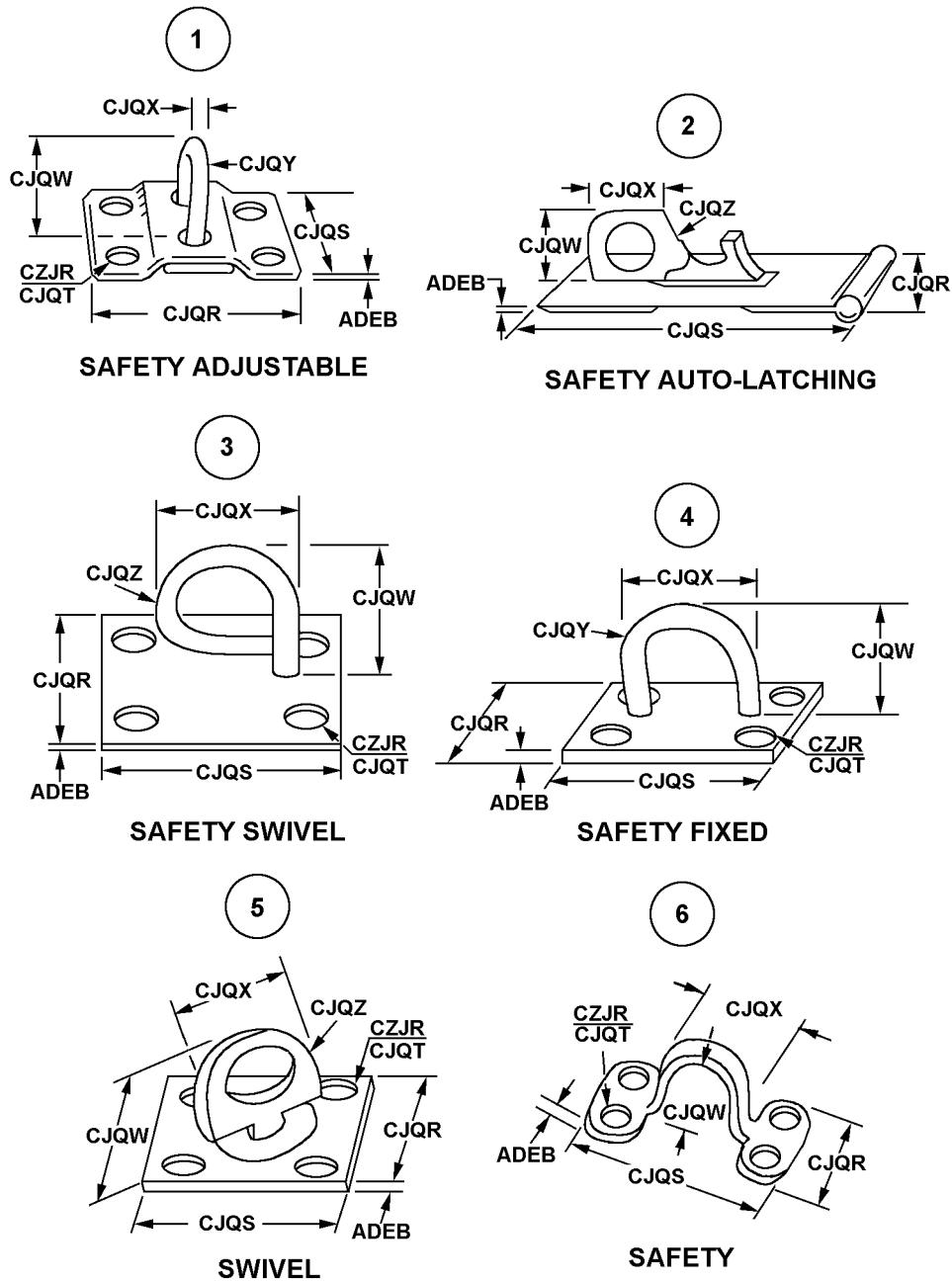
Enter the numeric value. (e.g., CJQTA8*)

MRC Mode Code Name of Dimension

CJQT A PLATE MOUNTING HOLE QUANTITY

REFERENCE DRAWING GROUP C

STAPLE STYLES



Technical Data Tables

| | |
|---|----|
| STANDARD FRACTION TO DECIMAL CONVERSION CHART | 68 |
| WOOD SCREW SIZE TO BODY CLEARANCE HOLE SIZE (INCHES) | 69 |
| MACHINE SCREW SIZE TO BODY CLEARANCE HOLE SIZE (INCHES)..... | 69 |
| MACHINE SCREW SIZE TO BODY CLEARANCE HOLE SIZE (METRIC) | 70 |

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APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

| <u>4ths</u> | <u>8ths</u> | <u>16ths</u> | <u>32nds</u> | <u>64ths</u> | To 3 | To 4 | <u>4ths</u> | <u>8ths</u> | <u>16ths</u> | <u>32nds</u> | <u>64ths</u> | To 3 | To 4 | |
|-------------|-------------|--------------|--------------|--------------|------|-------|-------------|-------------|--------------|--------------|--------------|-------|--------|-------|
| 1/16 | | | | 1/64 | .016 | .0156 | | | | | 33/64 | .516 | .5156 | |
| | | 1/32 | | ---- | .031 | .0312 | | | 17/32 | | ---- | .531 | .5312 | |
| | | | | 3/64 | .047 | .0469 | | | | | 35/64 | .547 | .5469 | |
| | | | | ---- | .062 | .0625 | | | 9/16 | | ---- | .562 | .5625 | |
| | | | | 5/64 | .078 | .0781 | | | | | 37/64 | .578 | .5781 | |
| | | 3/32 | | ---- | .094 | .0938 | | | | | 19/32 | ---- | .594 | .5938 |
| | | | | 7/64 | .109 | .1094 | | | | | 39/64 | .609 | .6094 | |
| | 1/8 | ---- | ---- | ---- | .125 | .1250 | | 5/8 | ---- | ---- | ---- | .625 | .6250 | |
| 1/4 | | | | 9/64 | .141 | .1406 | | | | | 41/64 | .641 | .6406 | |
| | | 5/32 | | ---- | .156 | .1562 | | | | | 21/32 | ---- | .656 | .6562 |
| | | | | 11/64 | .172 | .1719 | | | | | 43/64 | .672 | .6719 | |
| | | 3/16 | | ---- | .188 | .1875 | | | | | 11/16 | ---- | .688 | .6875 |
| | | | | 13/64 | .203 | .2031 | | | | | 45/64 | .703 | .7031 | |
| | | 7/32 | | ---- | .219 | .2188 | | | | | 23/32 | ---- | .719 | .7188 |
| | | | | 15/64 | .234 | .2344 | | | | | 47/64 | .734 | .7344 | |
| | | 5/16 | | ---- | .250 | .2500 | 3/4 | ---- | ---- | ---- | ---- | .750 | .7500 | |
| 3/8 | | | | 17/64 | .266 | .2656 | | | | | 49/64 | .766 | .7656 | |
| | | 9/32 | | ---- | .281 | .2812 | | | | | 25/32 | ---- | .781 | .7812 |
| | | | | 19/64 | .297 | .2969 | | | | | 51/64 | .797 | .7969 | |
| | | 5/16 | | ---- | .312 | .3125 | | | | | 13/16 | ---- | .812 | .8125 |
| | | | | 21/64 | .328 | .3281 | | | | | 53/64 | .828 | .8281 | |
| | | 11/32 | | ---- | .344 | .3438 | | | | | 27/32 | ---- | .844 | .8438 |
| | | | | 23/64 | .359 | .3594 | | | | | 55/64 | .859 | .8594 | |
| | | 7/8 | | ---- | .375 | .3750 | | 7/8 | ---- | ---- | ---- | .875 | .8750 | |
| 7/16 | | | | 25/64 | .391 | .3906 | | | | | 57/64 | .891 | .8906 | |
| | | 13/32 | | ---- | .406 | .4062 | | | | | 29/32 | ---- | .906 | .9062 |
| | | | | 27/64 | .422 | .4219 | | | | | 59/64 | .922 | .9219 | |
| | | ---- | | ---- | .438 | .4375 | | | | | 15/16 | ---- | .938 | .9375 |
| | | | | 29/64 | .453 | .4531 | | | | | 61/64 | .953 | .9531 | |
| 15/32 | | ---- | | ---- | .469 | .4688 | | | | | 31/32 | ---- | .969 | .9688 |
| | | | | 31/64 | .484 | .4844 | | | | | 63/64 | .984 | .9844 | |
| | | | | ---- | .500 | .5000 | | | | | | 1.000 | 1.0000 | |

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APPENDIX C

WOOD SCREW SIZE TO BODY CLEARANCE HOLE SIZE (INCHES)

| <u>SCREW SIZE</u> | <u>CLEARANCE HOLE SIZE</u> |
|-------------------|----------------------------|
| 0 | 0.063 |
| 1 | 0.078 |
| 2 | 0.093 |
| 3 | 0.104 |
| 4 | 0.116 |
| 5 | 0.128 |
| 6 | 0.144 |
| 7 | 0.157 |
| 8 | 0.169 |
| 9 | 0.182 |
| 10 | 0.193 |
| 11 | 0.200 |
| 12 | 0.221 |
| 14 | 0.246 |
| 16 | 0.272 |
| 18 | 0.302 |
| 20 | 0.323 |
| 24 | 0.377 |

MACHINE SCREW SIZE TO BODY CLEARANCE HOLE SIZE (INCHES)

| <u>SCREW SIZE</u> | <u>CLEARANCE HOLE SIZE</u> |
|-------------------|----------------------------|
| 0 | 0.063 |
| 1 | 0.076 |
| 2 | 0.089 |
| 3 | 0.104 |
| 4 | 0.116 |
| 5 | 0.128 |
| 6 | 0.144 |
| 8 | 0.169 |
| 10 | 0.196 |
| 12 | 0.221 |
| 14 | 0.246 |
| 1/4 IN. | 0.257 |
| 5/16 IN. | 0.323 |

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APPENDIX C

SCREW SIZE CLEARANCE HOLE SIZE

| | |
|----------|-------|
| 3/8 IN. | 0.386 |
| 7/16 IN. | 0.453 |
| 1/2 IN. | 0.515 |

MACHINE SCREW SIZE TO BODY CLEARANCE HOLE SIZE (METRIC)

SCREW SIZE CLEARANCE HOLE SIZE

| | |
|------|------|
| 1.0 | 1.1 |
| 1.2 | 1.3 |
| 1.4 | 1.5 |
| 1.6 | 1.7 |
| 1.8 | 2.0 |
| 2.0 | 2.2 |
| 2.5 | 2.7 |
| 3.0 | 3.2 |
| 3.5 | 3.7 |
| 4.0 | 4.3 |
| 4.5 | 4.5 |
| 5.0 | 4.8 |
| 6.0 | 6.4 |
| 7.0 | 7.4 |
| 8.0 | 8.4 |
| 10.0 | 10.5 |
| 12.0 | 13.0 |
| 14.0 | 15.0 |

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APPENDIX C

FIIG Change List

FIIG Change List, Effective July 2, 2010.

This change replaced with ISAC or and/or coding